

# SKIN DIVER

VOTED TO THE UNDERWATER WORLD

October 1957 35c



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### AIR CRUISERS DIVISION

BELMAR, NEW JERSEY

## MANHATTAN DIVERS RAISE BODY FOR COAST GUARD

By Stan Shabman

When the Atlantic Beach station Coast Guard started out on August 4 to search for the wreckage of a small aircraft and one of its two occupants about a half mile off the coast of Atlantic Beach, N. Y., a group of skin divers in the area of Rockaway Beach across the channel from the coast guard station, readily volunteered their services.

The first body had been located the day after the crash by the use of grappling hooks, but the coast guard was afraid the continued use of the hooks might break up the aircraft to such an extent that the second victim of the crash would drift away from the wreckage.

Monty Weinstien, unaffiliated with a club, and James Minihan and Stan Shabman of the Manhattan Skin Divers' Association, accompanied the two coast guard boats.

After searching the crash area about 20 minutes, the men noticed a small oil slick bubbling to the surface and proceeded to drag a grappling hook. The plane was hooked on the first try. Jimmy Minihan and I went down the grapple line and saw the plane and the plane's occupant immediately. The body was wedged inside the twisted frame and I had to surface because of a malfunction in my scuba unit. Upon descending again we managed to pry loose the wreckage and secure a line around the body. The men in the coast guard boat dropped a two inch line which we secured to the aircraft. We were able to recover the body for the family and the aircraft for the C.A.A. to examine in an attempt to learn the cause of the crash. The plane was dragged back by one of the boats and the other coast guard craft carried the body.

I believe our assistance to the Coast Guard will help us in the future if any adverse conditions arise in our area. The Nassau County police and the staff at the Coast Guard station treated us wonderfully and I think that the general public should hear of deeds like this one and thereby have a better feeling toward all of us who enjoy the sport of skin diving so much. I know that the Empire State Underwater Council will profit from things like this and all divers everywhere should keep the public aware of episodes such as this. It will not only help to keep us in a better light with the public but also to the people who insist on passing legislation that will take away beaches from skin divers.

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# SKIN DIVER MAGAZINE

Volume VI  
Number 10  
October 1957

Devoted to the Underwater World

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**OCTOBER COVER**—Unusual is the word for this picture . . . not the catch or Mike Carnahan, the diver, but the location of the catch—La Jolla Cove near La Jolla, California. Mike's turtle weighed 58 pounds, probably the first turtle brought in by a diver for this region. Photo by Ron Church.

## editorial....

Playright-legislator-diplomat Clare Boothe Luce put her pen to task for "Sports Illustrated" and came forth with the greatest boost for our sport since the appearance of "The Silent World." Her work was divided in two parts and appear in the September 9 and September 16, 1957 issues of "Sports Illustrated." Get those copies and absorb her magnificent printed thoughts as she relates her experiences in learning to skin dive with scuba and later . . . actually sinking below the surface to a Bermuda reef . . . her frank emotional impressions of our underwater seascape. Peter Stackpole, adds to the boost with several pages of full color photographs, very appropriate for framing. The title of this series is "God's Little Underwater Acre." A new comer to skin diving, Clare Boothe Luce puts into words what some of us have forgotten about the beauty of small fish, lush covered rocks and the antics of marine life as seen through the glass port of the mask.

"Bends Fatal to Diver" . . . was a red banner line across the top of a large newspaper during September. Years of public relations work, education efforts . . . all shot with a splash of red. The article following the red banner revealed the diver with scuba had made four dives to 120-150 feet—ALL IN ONE MORNING! What a useless waste of life.

If a man has guts enough to dive to 120 feet he should also have an equal amount of brains to know the procedure for regaining the surface, alive! Every other book written about the underwater sport has a chapter on the bends, the cause and cure. We have watches, depth gauges, air pressure gauges, decompression tables, treatment tables, compasses, spare tanks . . . plain, fancy and deluxe styles, all available to the diver for his use. All of this gear can be taken underwater. There is no excuse for a diver with scuba to get the bends.

If you have a scuba apparatus and none of the other equipment then never go deeper than 40 feet. (The following statement is to be read and understood but not practiced) . . . a sure method of judging this depth is a 40 foot rope . . . securely attach one end to the surface, the other end around your neck. As you descend and reach the maximum length of your line the rope will tighten . . . level off or come up to a safe depth. Otherwise kick hard against the rope and accomplish the same effect as a 1000 foot dive. Deadly, isn't it. (Again, the above statement is to be read and understood but not practiced.)

The equipment and reading matter are easily available to make this large portion of skin diving safe and sane. Take advantage of others experience and enjoy . . . without fear or hesitation . . . the fascinating adventure and sport of skin diving. SD will gladly furnish copies of decompression tables to anyone requesting them and we will publish the standard U. S. Navy Decompression Tables in the November issue. Read it, clip it out, waterproof it, carry it or don't go below 40 feet . . . and . . . never pass your smallest bubble when ascending, from any depth.

The Long Beach Neptunes representing the U.S. at the European Championships in Yugoslavia report a successful meet, clear water and friendly people. Countries represented placed in the following order: Italy, Yugoslavia, France, United States, Spain and Monaco. SD hopes to have the complete story in the next issue.

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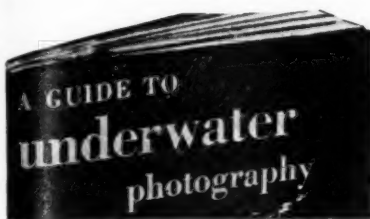
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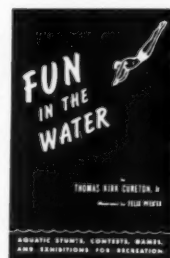
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# Letters

... I thought that you might be interested to know that this Government (Turks and Caicos Islands) proposes to issue a new series of stamps towards the end of this year. As the stamps are predominantly a fish series they may be of interest to the readers of Skin Diver Magazine.

The details of the new stamps will contain a portrait of Her Majesty together with the Crown and will include the following fish, Bonefish, Red Grouper, Spiny Lobster, Albacore, Muttonfish Snapper, Permit, Conch, Flamingoes, and Spanish Mackerel in amounts from 1d. through 10/-.

The date for the release of these stamps is not definite.

E. Lewis  
Commissioner  
Turks and Caicos Islands

... Paging FRANK FRIBLEY, calling FRANK FRIBLEY, Skin Diver reader and a club member Frank Fribley has earned a one year subscription to this magazine with his suggestion to the Odds N' Ends column... but we have been unable to locate him. There is no return address on his letter... write to us Frank and we'll add another twelve months to your current subscription.

Skin Diver

... A man's life could probably have been saved this past Labor Day had nearby fishermen been aware of the potential help available from skin divers.

Jack Lambert and Glenn Evans of Redondo Beach, California were skin diving off the coast of Palos Verdes when a passing boat called attention to the fact that about a half mile away a fisherman had fallen overboard from a boat and was drowning.

Jack and Glenn who are veteran divers, immediately volunteered their services and were rushed to the scene of the accident in my boat. Within five minutes after diving with Scuba, Jack found the body in forty feet of water, and with the help of his buddy, brought it to the surface.

Unfortunately, too much time had elapsed before the help of divers was solicited, therefore, resuscitation was not possible. One can't help but wonder that if the witnesses to the accident had called for immediate assistance from nearby skin divers, instead of awaiting help from far away Coast Guard, that this victim might be alive today.

P. F. Lambert  
Redondo Beach, Calif.

... My diving partner and I have recently experimented with the transmission of underwater speech in an effort to supplement visual signals.

We started with the obvious idea of yelling into the scuba mouthpiece, but the results were rather poor, even close up. We next tried removing the mouthpiece and yelling directly into the water, but this was also pretty much of a failure.

Finally my partner recalled hearing that it was possible to receive sound through the bones of the head as well as the ears. Since both of us are boneheads, we thought the idea worth a try. We submerged and he placed his mouthpiece directly against my head, behind my ear, and spoke into the mouthpiece. To my surprise his drivelings came through loud and clear.

As far as we know we are the first to use this means of communication. We use it regularly now and recommend it highly. Try it next time you dive.

Joe Boyle  
Rockville, Maryland

... Recently my brother moved to Caracas, Venezuela. He is interested in becoming acquainted with divers in that area. I have looked through my copies of the S.D. for the last three years, rather hurriedly perhaps, but the only name I came up with from Caracas, was a Julie M. who wrote a letter to "Driftwood", Jan. 1957.

I would very much appreciate getting her name and address if this is possible. Other people in the area would undoubtedly be of great assistance to my brother. If you supply the information requested please mail it direct to

David J. Hadley  
Apartado 6344  
Caracas, Venezuela

... I am wondering if through your numerous subscribers, I would be able to contact some serious outfit who would be willing to have a compressed air station down here at the point of the Peninsula of Lower California for the purpose of forming a Divers Club for Americans to come down here and do some real diving. These waters are warm, clear and magnificent for skin diving.

If anyone is interested, would like to hear from them, as well as to suggestions of the proper way for me to start the Club. It would be a real adventure as these waters are very interesting and the coast from here to San Lucas (23 miles away) is rocky and wonderful diving.

Al Roca  
San Jose Del Cabo  
Baja California Sur  
Mexico

... I have been looking for a job in connection with diving. Especially I am interested in a diving job in connection with marine biology and oceanography because that is what I intend to go into when I go to college. But I am very interested in any kind of diving job now.

Cam McCoy  
768 Greely Dr.  
Nashville 9, Tenn.

... I would like to ask where a trained Scuba diver could get a job. It seems there should be some opportunities open and I would appreciate any suggestions you could give me.

I graduated from the Naval Underwater Swimmers School in Key West, Fla., and have spent the past 14 months doing water work in the Amphib. Recon. Co. attached to the 1st Marine Division. I will be released from active duty in February and would like very much to continue diving.

Cpl. A. K. Brown  
1st Force Recon. Co. Hdq. Bn. (Reinf)  
1st Marine Div. FMF  
Camp Pendleton, California

(Divers seeking employment could make out form applications, describing all of their qualification, and mail them to marine salvage companies, museums, logging companies, large sea-side resorts, ferry companies, etc. Also some oil companies are employing divers for survey work.)

... Would appreciate hearing from any skin diver who can give me information on skin diving conditions around Panama City and Destin, Florida.

1/Lt. Robert C. Dahn  
Student Officers Company  
Ft. Rucker, Alabama

(You guys and gals around Panama City and Destin get out of the water long enough to send this man some info. Sounds like he's coming over and needs some directions to the fish.)

... I was very interested in the letter that Mr. Robert C. Jones wrote to S.D. in the June issue of this year.

After ten years of coaching swimming and over 30 years in and around the water it seems a shame to me that more isn't done to educate the public in Scuba.

To my knowledge we are the first High School in the U.S. to teach both skin and scuba diving. Over 200 boys and girls were put through a training course last year at Shaker. We will be glad to send this course to any clubs etc. that might be interested in it. By no means do we feel that this is the only or best course, but feel that education in scuba must come first.

Paul Stark  
3004 Warrington Road  
Shaker Heights 20, Ohio

... Thanks to your interesting magazine, I have just enjoyed a very pleasant vacation.

I was undecided about where to spend it, when I came across a Club News letter in your June issue describing the conditions encountered by the newly formed Barbados Sub-Aqua club during their diving activities. That was all I needed to convince me Barbados was just what I was looking for.

After spending three wonderful weeks on the island, I want to tell you how you helped to make it so enjoyable. The climate was uni-

formly pleasant even though it was during the rainy season. The water is always a comfortable temperature and close-lying coral reefs offer a constant, widely varied choice of interesting marine life. I have a roll of underwater color pictures taken on the reefs, my first effort of that kind, and they have opened an entire new field to me. I also had the good fortune to see a few old wrecks; nothing in the line of sunken treasures but exciting just the same.

The members of the club made me feel welcome and their enthusiasm should carry them far in spite of the difficulty at present of acquiring equipment there. If ever a group had ideal conditions under which to operate, this one has.

I'll be going back there next time I have the chance, and others who visit Barbados are sure to have a good time. And I'll continue to look through the Skin Diver for all the best in underwater adventure and equipment.

J. H. Rick  
Maracaibo, Venezuela

Dear Chuck:

This is to thank you personally for your advice and help while we were competing in the National Championships and also to thank all the California clubs who helped us in so many ways should you publish this in the "Skin Diver". I have written to a few of the people whose addresses I had, but there were so many who helped us either by taking us across to Catalina or taking us out diving in their boats that I was not able to get all their addresses in the rush before we left. When you see the various club and members would you please give them our thanks and extend our invitation to visit us here in Florida and permit us to return their kindness.

The latest news from these parts is that Dade County is now under consideration for

another law against skin diving. Where is it going to end? The Keys are only about 165 miles long and they have already taken 100 miles of coast away from us!

The clubs in the Miami area are fed up with the Association and have held two mass meetings in preparation for a protest at the coming FSDA meeting. The purpose is to get a reorganization of FSDA. If FSDA refuses to cooperate with the club then we all intend to drop out of the organization and fight to see that every other club in Florida does the same and form a new organization. FSDA does not send regular reports to the clubs and as a result we do not know when they are electing officers, when there is to be a tournament, or what in general the organization is doing. They not only do not send reports to the clubs but even refuse to answer letters written to them asking for information.

They may publish a financial report at their meetings, but since we are not notified of these meetings we therefore never see a financial report. They have presented suggestions for legislative action in Florida on spearfishing without any recourse to the clubs they are supposed to represent, and most of the clubs in the Miami area are opposed to the type of legislative action FSDA has presented. Most of their suggestions are drawn up to limit the spearfisherman, WE ARE ALREADY LIMITED IN FLORIDA, WE DO NOT WANT ANY FURTHER LIMITATIONS. Laws for the sport should read: A spearfisherman may—not the negative approach of FSDA of, A spearfisherman may not—. California has successfully solved the problem with the positive approach, why can't FSDA follow a precedent? (Publish this if you can, Chuck. We want the other clubs of Florida to know what is going on.)

Jack Slack  
Miami, Fla.

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# THANKS and CREDITS

By Frank Hops

The Skin Diving Committee of the SPAAAU would like to express their thanks publicly to the following people who helped to make the 8th National Underwater Spearfishing Championships a success. The sponsors of the Meet were Voit Rubber Company, Healthways and U. S. Divers Company along with the Skin Diving Committee of the SPAAAU. Needless to say the backing from the above three manufacturers was greatly appreciated.

Thanks are due to each of the three official boats and their skippers—The Prowler, Skipper Ed Williams, the Abundavita Lady, Abundavita Corporation and the Magnolia, Penguin Suits. Many additional small boats were furnished by members of the SPAAAU Skin Diving Committee and their friends. Each of them contributed to taxi service, safety patrol and anything else for

## Sub-Aqua Job Opportunities

This column is offered to any and all employers seeking divers for various positions in their firms. Copy should be brief giving complete name and address and state requirements needed from applicants. This is a service to the industry and the sport offered at no charge for the space used. Applicants for the jobs listed should write direct to the advertiser and not to "Skin Diver."

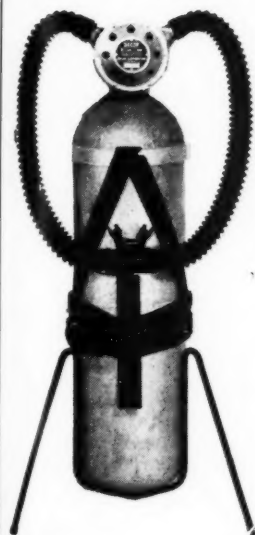
which their boats were needed. Individuals who furnished these crafts were: Ronnie Vanfleet, Gates Brown, Roger St. Oen, Pat O'Malley, John Carroll, and Charlie Sturgill. Bert Williams and the Aqua Guards again did an outstanding job of promoting safety and accompanying each team during the entire four hours of the Meet.

Individual members of the SPAAAU Skin Diving Committee who contributed a great deal of their time also deserve many thanks. Some of them are listed here: Dave Bottles, Ken Kummerfeld, Dick Jappe, John Geiszler, Bert Williams, Jack Opperman, Ralph Davis, Don Finley, Chuck and Laura Sturgill, Pat O'Malley and others.

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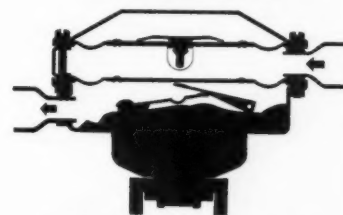
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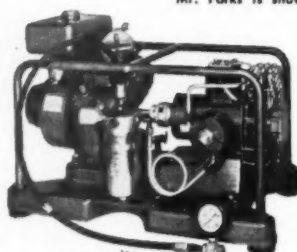
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(Refer to article in this issue)

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# LETTERS

## ILLINOIS COMPLAINT

Objection! I am a staunch "Skin Diver" reader, and I am compelled to bring forth a complaint directed at the snobbish surf-busters who inhabit California waters. These frustrated fin flappers dare to say that fresh water diving is "fer the birds." I will grudgingly concede that our underwater scenery is a little sparse in comparison, but "fer the birds"! This is a mortal thrust! It's my duty to come to the defense of all the skin diving fanatics in the great Great Lakes area. I don't honestly think that California buggers realize just how popular snorkeling and scubaing are in this region in spite of its rumored limitations.

First of all, we hardly ever lose a diver, or a part of a diver, to the shark trade. And we got fish, too, just begging to be pointed at with a gun. There aren't any panther rays squinting at us from behind every pile of rocks either. Besides, you boys from the sunshine land just aren't the "complete skin diver" until you've busted a hole in the ice and disappeared through it with a rope around your waists. So just put that in your snorkels and smoke it. However, I'd better be careful or else the recitation of all the unique advantages to swimming in the Great Lakes area will create such a sudden flood of California scuba hounds that we'll feel like we're having a California gold rush ourselves. S'okay, though, men, we always got room for another convert.

Robert Betz,  
Chicago, Illinois  
"The Snorkles"

(Sourdoughs in Lake Michigan??)

... On the cover of the June 1956 issue of "Skin Diver" there is a picture of the type of sailboat my husband and I would like to rent this winter in the Caribbean. (It is described as the Schooner Parisian, which by this time you undoubtedly know is a sloop!) We would prefer chartering a similar boat (if not the same one) in the French islands, more particularly Martinique, but any of the other islands good for skin diving would be of interest. We would also like a "captain" or somebody who knows the waters well to accompany us. We would either like to sail from island to island, northward with the trade winds, or even like to charter boats of this type for two or three days sailing and skin diving off one particular island. Incidentally, we do not want to go farther south than Martinique.

Any local information on boat chartering, of any inexpensive type, and skin diving including possibilities of renting aqua lungs in this area, would be most appreciated.

Mrs. Cynthia Senecque  
231 East 62nd Street  
New York 21, New York

(Boat owners, skippers, guides, etc. in the Caribbean... this letter demands a prompt answer from you.)

... A group of interested individuals in this part of the U. S. are in the process of organizing a club. Would you send a sample constitution and by-laws to:

Jimmy Barker  
P. O. Box 193  
Sullivan City, Texas

## FLAG PROBLEMS

... I would like to thank you for the mention of the "Great Lakes Diver" in the Sept. issue of SD.

I have but one complaint to make. That is that by asking for ideas for a Divers Flag instead of accepting the one already in existence you will only serve to confuse the boatmen and defeat the purpose of the entire promotion program.

To this end I would like to say that all of the divers in the Great Lakes area have adopted the Divers Flag. The Great Lakes area as you probably know, includes eight states and two Canadian Provinces.

Ted B. Nixon, Editor  
Great Lakes Diver  
Flint, Mich.

... I refer to your editorial in the September issue of Skin Diver, regarding a suitable flag to show that a diver was in the area.

I was under the impression that the "Seven Flag" was for this purpose. This flag 36" x 36", all red, with an 8" white stripe down the center. If I am wrong, I would like to know, as this Club has been flying this flag for the past two months in areas we have been diving in.

Donald R. Tait  
Seattle, Wash.

(Ed. note: A preliminary investigation via the telephone and our library revealed the following: Robt. H. Davis in his book "Deep Diving" which is popular throughout the world states: "A large red flag should always be displayed where a diver is working, so as to warn passing craft to keep clear." Information received from commercial divers, hard hats, revealed that they fly a red flag on their ladder and mast while they are working under the surface. A U. S. Navy officer and the "Blue Jacket's Manual" (U. S. Navy) states that the standard flag to be used by divers under the water is the "Seven Flag", red with a white vertical stripe. The Illinois and Michigan Skin Diving Councils have adopted the "Divers Flag", red with a diagonal white stripe. Illustrations of two of these flags.



Seven Flag



Divers Flag

I will personally vote out the solid red flag in favor of one of the two illustrated above. Which one? We need some expert opinions and arguments for this hassle. We have no axe to sharpen for either flag design and will promote the most popular. But only one.)

If possible could some or all of this be printed in "Skin Diver". We are open for suggestions from anyone on how to organize a good club. We are located in the Rio Grande Valley of Texas. Anyone interested in some organized diving in this part of the country can contact myself by mail.

Jim Barker  
P. O. Box 193  
Sullivan City, Texas

... You may recall publishing a letter of mine some time ago in which I asked if anyone who was interested to drop me a line.



Well, I was swamped with letters, well over a hundred, and have not as yet been able to answer them all, however I will do so in time.

If you could publish this letter or part of it, so as to let those that I haven't written to yet, know that I have not forgotten them.

The huge volume of mail, which came from all over the world, even Japan, speaks well for the distribution of "Skin Diver."

Included with this letter is a photo of the Yellowtail Kingfish I speared, 70 pounds in weight. The same species of fish is, I believe, called Pacific Yellowtail in the States.

Fred Studden  
2 Park Road  
Speers Point  
NSW, Australia



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SKIN DIVER—October, 1957





The beautiful lady resumes her position on the surface of the Pacific. Her 11-ton keel prevented capsizing.

# VOLUNTEER DIVERS SAVE TV HEROINE

By LCdr. John W. Gray, USNR-R

Photos by George E. Cabral

The night of June 5th, 1957, was one of those peaceful nights of which there are many in these Hawaiian Islands. The Pacific was living up to her name, and more. The waters off-shore were in a state of flat calm. A wonderful night for the pleasure-minded to take a short cruise, or for those with more ambitious ideas, a long easy voyage to the South Seas. But for those who lived on the water, in the many yachts and house-boats tied up in Honolulu's Ala Wai Yacht Harbor gentle slumber seemed to be the thing, by midnight, at least.

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But Jack Irish, a local diver and spearfisherman, had other ideas. He thought the night was made for getting out beyond the reef and trying to find what he could bag. During one of his dives something boomed against his eardrums, and it wasn't the pressure that he was used to coping with either. When it came again he thought it was about time to come out of the water and see just what was going on. Surfacing, he peered inshore then seaward, when his eyes lit on a ship's masts, then her hull was outlined. Instinct told him she was in trouble without stopping to analyze her lack of lights, her list, her position against the reef, he knew that that boom-boom he had heard in the water was a ship's hull being rolled onto the coral reef, off again, and back on it steadily, ceaselessly.

Next step under the order of urgent business was to get ashore and notify the U.S. Coast Guard personnel on duty watch at nearby Pier 11.

An hour or so earlier, around the witching hour of eleven o'clock, (2300 hours), five young fellows were in a deep huddle. The crux of their planning, the crucial hour was here. The hand of adventure beckoned, gestured forcefully in fact. Fear of the unknown was put behind them, all fear in fact. The lure of the South Seas dimmed sense and senses. Quietly, stealthily, they pattered around a trim little inboard motor boat, started her engine, cast off and headed for the target ship, the 63' barkentine CALIFORNIA.

Climbing aboard, casting off her moorings, and securing a stout line from her stern to the motor launch they maneuvered both boats out from the pier and headed for the channel, out to sea and adventure. Out to the mouth of the channel . . . 'Now, head south, skipper' . . . but no, not yet. Fate showed its portentous hand. First one, then another of the adventurous 'crew' fell over the side.

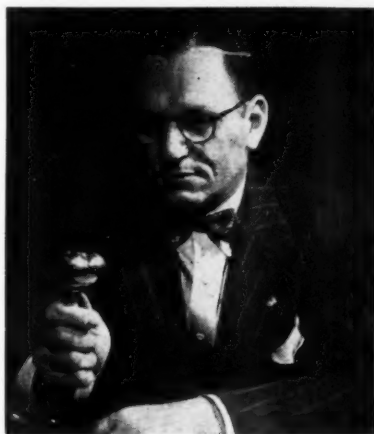
Next, calm as she may seem, the mighty ocean decided to take over . . . first gently then forcefully the swells pushed the adventure-ship onto the reef. The grinding, the boom-boom, the near loss of two of the 'crew', all this was not 'adventure' this was 'Trouble, with a capital 'T'.

So back to shore, post-haste, devil take the hindmost . . . back to arms of the U.S. Coast Guard, the local authorities, irate shipowners, and stern parents. Thus ended adventure . . . but not worry, remorse, and W-O-R-K.

Being aroused from a good, well-earned tropical nights sleep isn't the happiest thing in the world to have happen to any one. If, in the name of urgency, it was a cable saying Uncle Josh had just wanted to do something special and had wired a big, round deposit for your credit at the local depository it could be a happy awakening. But as the prideful owner of the graceful 63' barkentine CALIFORNIA, Mr. T. S. Applegate, owner, jointly with Mrs. Applegate and the several little Applegates, of this trim craft, to have to come awake to find your ship has been the victim of 'pirates' is quite another matter. And so Mr. Applegate received the news from the Coast Guard, that five boys, ranging in age from 14 to 18 years, the sons of four USAF Master Sergeants stationed on Oahu, had unsuccessfully tried to head south. And it is certainly not to be denied that the four dads, one a father of two of the boys, received some shocking early morning news.

When Mr. Applegate and the ships captain, Captain John A. Holbrook, USN, Ret., surveyed the scene they found the CALIFORNIA heeled over on her starboard side at about 50°, but well hung up on the reef and not being pounded too severely by the fortunately mild surf. And if that self-same surf had not been quite so mild around midnight it's pretty certain that her commandeering 'crew' couldn't have gotten so far. The next step was to determine on a course of action, and time was of the essence. The ship could not be left there, not only would she pound to pieces before too long, but she could neither be bottom-inspected or worked

(Continued on Next Page)

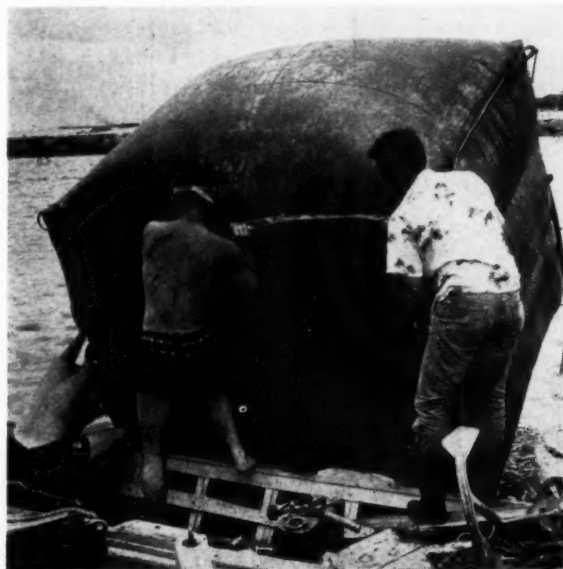


**LCDR. JOHN W. GRAY, USNR-R  
QUALIFIED DEEP SEA DIVER**

John Gray, who has authored this comedy-tragedy account of the theft, sinking, raising and final reconditioning of the "California," is now a resident of Honolulu after an intriguing past in globe-trotting. "Jack" held a commission in the U. S. Naval Reserve from 1935 until 1939 when he resigned for civil duties. On December 8, 1941 (immediately after the tragic Pearl Harbor day) he requested reinstatement of commission and entered active duty. Following preliminary training at Notre Dame he entered the Deep Sea Diving School at Washington D.C. Navy Yard and did post-graduate work on the "Normandie" in New York. Next assignment for "Jack" was the Submarine Base Escape Training Tank at Pearl Harbor where he was the assistant officer-in-charge training second class divers and submariners in escape techniques. Also included in his duties at "Pearl" was underwater hull work on submarines and incidental salvage of everything from mail sacks to ammunition trucks "in such mucky water that bi-weekly forays in open water qualifying divers in 170 feet of clear water was a real joy."

From Hawaii to the Midway Submarine Base was the next move for "Jack" where he trained second class divers. There was no submarine dry-dock at Midway and all of the repair and salvage was necessarily done underwater and under all weather conditions. Further diving assignments were underwater at Guam, Saipan and Marianas Islands.

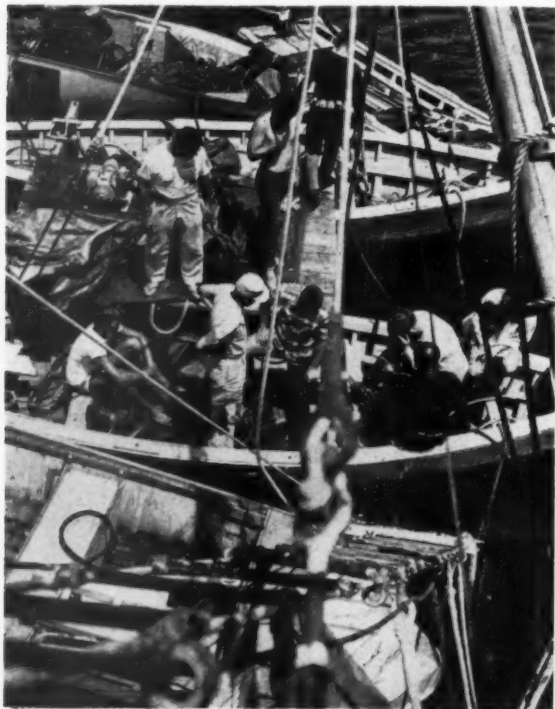
Divers and helper blow water out of gigantic air jack prior to deflating for placement into hull of ship. Many of these jacks were used to raise the "California".





Afloat and on an even keel the ship lies low in the water. Stuffed inside the hull are numerous inner tubes and air jacks. Her hull was covered with "soft patches" and bilge pumps held seepage to a practical minimum.

At the height of the raising and reconstruction of the craft there were several small boats available and many willing hands to do the work.



on to any extent. A local salvage company with several large floating cranes was decided upon.

So, in the course of the next day or so the barge-crane secured onto our lady in distress. Unfortunately slings were not used and the big lift was all too unsuccessful, the king-posts in the deck bow and stern, to which lines had been secured, gave way tearing portions of the deck and dropping the boat back on the reef on her port side and causing a large hull area to be stove in. So, getting a more certain and secure lashing this time, the CALIFORNIA was half-lifted and half-pulled shoreward with the target spot a thirty-to-thirty-five deep soft bottomed 'ditch' along the mouth of Ala Wai Boat Harbor channel. Here she was left.

Of course, by this time there was full news coverage. Our little lady was front page, daily. And they say the Service takes care of its own. True enough, but here not only the services came forward in a grand way, here a whole community came to the front, not just the fathers (of the venturesome, unthinking quintette) who stood watches ship and shore and who with the five boys, paroled to owner and parents by the local Juvenile Authorities, have spent every spare hour of every day and evening they could get right up to the final conditioning, working on her.

Volunteers came from every service and from every direction, civilians young and old, divers and helpers, owners of boats and gear loaned their equipment and gave of their time. Business men like Mr. Randall of the Universal Equipment Company supplied flotation gear, Nat Whitton loaned boat and gear, Islands Welding Company furnished metal ribs at a concession. Two dozen or more volunteer divers and helpers, with George E. Cabral, engraver with The Honolulu ADVERTISER, to whom picture credits go, and who spent his two weeks vacation diving on her, and with Jack M. Philpott, U.S. Army Master Diver (retired after suffering severe 'bends' diving in Japanese waters) who acted as consultant/advisor; and U.S. Marine Corps sergeant, George D. Carter; Navy personnel Frank D. Weaver, Wm. H. Harmon, Pete Demmer, Dave Delano, Keith Thomas; civilian divers R. L. Dodson, Harry Wilson, Cliff Spencer, and graduates and students from Punahou School Mark Rickert, Winfield Scott, Donald Shroat, and Robert Smith diving with Dick Camp, Robert Lee, and Dar LaBarthe as tenders and helpers.

The helping hand, and not entirely the U.S. Navy desiring to clear a navigational hazard or use the problem to train men, can be credited to technical guidance of officers like Commander Wm. Marshall, and Lieut. A. Whitney, who was there with boat, gear, and two divers, and who took the CALIFORNIA into drydock with an LCI. The commercial divers who did such an excellent job were William (Willie) K. Pai, and his assistant Carlin, working during most of the earlier patch-and-salvage days. Then there were H. H. Hardin and Harold Jewell, who on June 13th brought up the ship's compass, eight-day clock (still running), barometer, sails, and interestingly enough an oil painting which had been hung in the cabin.

The actual salvage operation was quite a feat in itself. While in less than thirty-five feet of water her bottom was pretty well stove in, having a large portion of her port side opened up when dropped onto the reef and the original three large and two smaller holes in her hull on the starboard side, requiring much patching, and of a caliber of water-tight integrity that would enable pumps to keep her reasonably dry when she was floated. Following the patching of the hull, and during which her interior was being stripped, she was made ready for the flotation gear.

Inner tubes, huge ten-foot diameter airplane and tractor inner tubes, and air jacks approximately six feet square, were stuffed into her hold. This was far from an easy task even though she is 52 ft. in length (stem to stern) and has a fairly broad beam. Her hatches weren't designed for divers

The "California" afloat and on her way to the dry dock at Keehi Lagoon for final reconditioning. Tow job was furnished by a Navy LCI.

to easily climb in and out of her with tools and flotation gear. The tubes and air jacks had to be carefully placed in order that projections, sharp edges, and giant splinters would not puncture them.

Although the "California" had a serious list it was decided, after much discussion pro and con, not to guy her to deadman, or other ship, as her keel was almost solid metal and weighed 11-tons. Her bow was raised first, as to inflate all of the flotation gear at once on a straight lift would have put too much strain on her deck. Her dead-weight is over 88,000 pounds. The technical strategy proved itself, although once her bow was surfaced, a large tube blew out and she settled back down.

On the second try up she came, then the flotation gear amidships and in the stern were inflated and she was UP, deck level if a bit awash. In all haste pumps were started and in a reasonable time most of the water was being kept out of her hull. On July 19th she was towed from the mouth of Ala Wai Boat Harbor channel around the point to Keehi Lagoon dry dock.

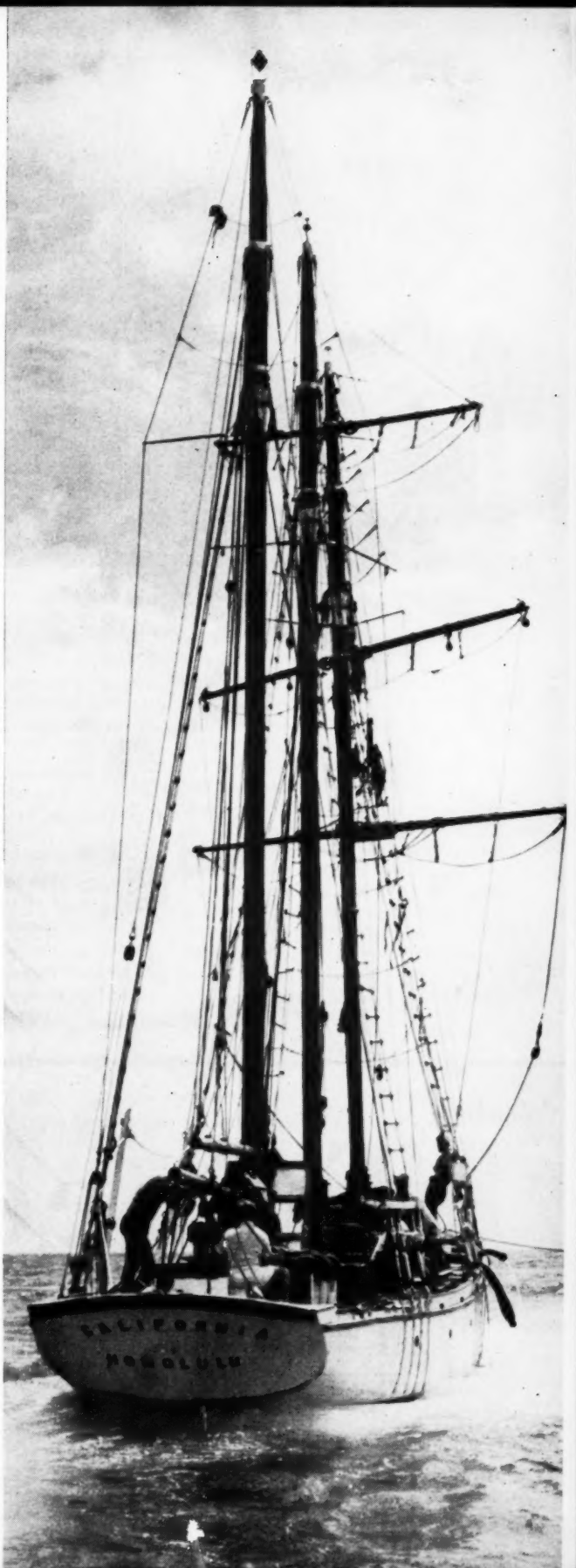
It was a happy day for all who heard the good news when she was safely in the slip at the dry dock. And the news was heard by all those who had given of themselves with a certain, naturally proud, feeling of having helped in a good job, well done. Much work had yet to be done. Inside her generator had to be removed, for replacement, engine cleaned, framework skeleton had to be aligned, metal ribs and bulkheads replaced or straightened and strengthened. Decking torn out and replaced. Her hull had to have the patches carefully removed, hull planking removed and replaced, caulked, painted and repainted.

Even though the boys and their dads stayed with the job, Navy Yard caulkers, shipwrights, and boat-builders had to be hired for the special skills required. And on August 7th the still-proud lady was towed from Keehi Lagoon dry-dock around to the Hickam (Air Field) Pier, where the final finishing touches, the fine details of interior fitting, engine work, rigging, sails, and all a sailing ship that must be ship shape and seamanlike requires, will be done. By the time you are reading this the "California" should again be gracing these blue waters.

Mr. Applegate, a chemist and metallurgist, does not bear malice for all the misfortune that befell the apple of his eye, he is most grateful for the response of the community. Fortunately his business acumen had him cover the "California," and the marine underwriters have cooperated fully. Rough estimates placed the cost of salvage and repair at between \$26,000 and \$27,000, but with the many hundreds of volunteer manhours put in by divers, and their helpers, and the loan of gear, it is now estimated that the cost will run between \$18,000 and \$19,000. This then becomes the dollar measure of the contribution of local diving enthusiasts and boat lovers.

Many readers have surely seen the "California" on television. She is the 'heroine' of the T/V stories by Jack London, the "Captain Grief" series. Mr. Applegate had her under charter to Guild Films. She has also been chartered to South Seas Productions more recently, in making pilot films based on Robert Michenor stories.

The "California" was built by John Polkinghorne and Son in Vallejo, California, between 1932-1936. (The father of one of the boys who beached her was a Vallejo High School student at the time, and saw her keel laid.) Her current replacement value has been estimated to be in the vicinity of \$140,000. The "California" has been around the world. She has been a West Coast survey ship, a fishing boat, and a pleasure craft . . . and soon will be giving pleasure once more to those who sail her and see her under sail. ☐





## Famous Divers Hack In Ceylon

Left to right:  
Dave Parks,  
Mike Wilson,  
Rodney Jonklaas



Can four fellows take over sixty lobsters in one hour's diving? Do grouper grow to fifteen feet long? And barracuda. Do they go to eighty pounds and over six feet long? A few weeks ago, without batting an eye, I would have answered 'no' to all of these questions. That was B.C. Before Ceylon. I have visited over seventy countries in this ever shrinking world and have dived in every puddle clear enough to see the end of my gun but Ceylon—gentlemen, Ceylon is wonderful! I had been there a number of times before but had never been able to find time to do any diving. This time I was determined to investigate these

waters. The southwest monsoon was blowing therefore the Colombo area was out of the question. That left the east coast.

It is always best to check with some of the local divers so I looked up Rodney Jonklaas, the driving force of the Reef Combers of Ceylon, holder of the world's record for parrot fish (103 lbs.) and all Ceylon record holder for more than a dozen other types of fish, including a sixty pound barracuda. Rodney picked up the phone and said, "Hey Mike, Dave Parks of the Gulf of Aquaba Parks is in town. Let's take him to Trin-

comalee with us." It was as simple as that.

Mike Wilson is a professional underwater photographer and has teamed up with Arthur Clarke, author of a number of books including *Coast of Coral* and *The Reefs of Taprobane*. Arthur does the writing and Mike does the picture taking. A great team.

Rodney went on ahead while Mike and I stayed behind to get the gear together. I also had a few business contacts to make. Trincomalee is on the East coast of Ceylon and is considered to be the world's best natural harbor.

# Trincomalee

By Dave Parks

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I understand that all of the British Navy can anchor there at the same time and still have room to spare. We made our rendezvous at the Trinco Rest-house and I am sure it will never be the same after our visit although I believe the rest house keeper enjoyed the fish and lobster that we brought him.

As soon as we unloaded enough gear to go fishing we headed out to sea with guns, flippers and faceplates. We combed a few reefs plus a wreck and all managed to score. Then back to the rest-house, dropped our fish and just as the sun was heading down, we headed out again; this time for lobster. Rodney and Mike were real disappointed because we only got about twenty bugs in forty-five minutes. Me, I was in high cotton! I had never taken lobster before except the crayfish variety that I find in front of my house in Beirut. I was really living it up until I stuck my hand back in a hole after an exceptionally shy bug and a scorpion fish calmly swam out along my arm! After that if I missed the first grab, brother lobster could just keep backing back.

The next morning we headed back in among the islands in the harbor to investigate a floating drydock that had sunk during World War II. Arthur tells all about it in the Reefs of Taprobane and Mike offers a few pictures. The reason for our visit is that Mike wanted to try and prove to me that groupers do grow to fifteen feet. Seems that Mike had been down to about the eighty foot level and as he was going around the corner of one of the galleries he came face plate to gaping mouth with, what he swears to be, a fifteen foot grouper. Now, this is not so bad because considering the tension one has while diving along in the maze of a wreck a fish

Dave Parks shows the colorful lobster caught at Colombo Harbor. Dave will be remembered for his article in the January '57 SD issue, "Egyptian War Traps Divers."



of reasonable size can take on all proportions if he surprises you but Mike said that he saw the monster THREE DIFFERENT times.

To cut a short story shorter, I never did see the fifteen footer but I did see one that I conservatively estimate as ten feet long. Rodney and I were snorkeling near the catwalk which ran athwartships and down about 35 feet when we saw a school of pilot fish which is a certain sign of the presence of a giant grouper. These pilot fish are built along the same lines as the ones that are seen with sharks but instead of being black and white they are black and yellow. We both eased down in the murk and saw this pachyderm of the sea easing along under the catwalk. He was much too big to shoot with the small gear we had and by the time we did get rigged up for him, he was gone.

Later I went down to the exact place where we saw him and measured the distance between girders on the catwalk and using that as a basis, we arrived at the ten foot figure. I guess if they can grow to ten feet there is not much reason why they couldn't grow to fifteen. Mike, if it makes you feel any better, I believe you. Now, will you believe me about the barracuda? But before we get to the barracuda . . . Mike wanted to get some more footage to use during his forthcoming lecture tour in the States so we swam in and out of the control house while he aimed his 16 mm Rebikoff at us. One of the fellows found a real giant of a jelly fish (must have measured four feet across) and after checking to make sure he wasn't the stinging variety, cavorted around with it while Mike exposed some more film. I can just see this sequence on the screen at a luncheon meeting of some women's club and Mike telling them about all the dangerous denizens of the deep! Hi!

On the way back to the beach, Rodney suggested we hack the Navy Oil Dock. Hack is the local expression meaning 'if you can eat 'em—shoot 'em'. I was told that one could always count on a few ten or fifteen pounders there but we snorkled down to the forty foot bottom for the length of the dock and not a fish was strung. The other fellows had already climbed back in the boat but I just had to have one more look. Visibility was very poor. I got to the bottom, looked all around, and just as I headed up ol' brindled granddaddy came easing along about five feet off the bottom. This barracuda must have weighed all of eighty pounds and he was longer than I am tall and I am six feet. His eye looked to be about the size of a manhole cover. People who have been in the water with barracuda know what I mean when I mention the size of their eyes.



Rod and Dave secure their spring guns for another hacking trip at Trimcomalee. A six foot Berri was seen. Photographs by Mike Wilson.

I forgot all about needing air I was so hypnotized by this giant. When I did remember, I drove to the top as fast as I could with my ears singing all the way. I couldn't have held that old 'cuda even if I had have shot him. Rodney had a gun rigged up with stainless steel wire but by the time he got back in the water and down to the bottom, the fish was gone. Before winding up, we hacked Elephant Point. They should change the name to Shark Point. We had not been in the water five minutes before the sharks came around. When we dived and swam towards them they took off like mashed cats. Each time they or their brothers came back, we repeated our performance and they repeated theirs. Really quite satisfactory! The current was running very fast so Rod and I just let it carry us along the point. Rod managed to string up a twenty pound thick lip grouper while the rest of us collected lobsters for the pot.

It was a tired bunch of men that reached the rest house that night but it was a contented tiredness. Back in Colombo, Mike invited a crowd of people over to see some of his underwater movies. Instead of popcorn we had lobster. The night before, four of us took flashlights and worked the Colombo harbor seawall to a depth of about twenty feet. In less than an hour we had sacked up over sixty lobster. I had to stay up til the wee hours boiling the darn things. Mike showed some fabulous footage of wrecks and fish. He had even discovered and filmed a sunken temple. I am in Tehran, Iran now and Ceylon seems very far away but why worry, the Caspian Sea is near and I hear that the place is loaded with sturgeon. Caviar anyone? >>>

# TEXANS TREK THROUGH MEXICO

By Curtis A. Walker

(with an assist from Peggy)

Unlike our frequent week-end runs to our convenient Gulf Coast, there was much to consider, as we prepared for a ten day diving trip in Mexico. We were entering a foreign country where we were sure to encounter many strange things.

Language was our biggest handicap. Jack Krezdorn had a fair knowledge of Spanish, but his text book stuff wasn't going to be much use once we encountered dialect. I'm pure Gringo, and cannot say more than Adios and Enchilada in any dialect. Fortunately, Manuel Guterrez, the third member of our crew spoke Español fluently, and was our ambassador all the way.

We consumed several weeks, sifting the facts out of the fantasy that everyone so eagerly supplied. It seemed like everyone had been where we were going! The big difference was that everybody told a different story about it.

We had to secure tourist cards, certificate of small pox vaccination and car permit. Auto insurance was available on the Mexican side, at the port of entry. Rates run about \$1 per \$100 for complete coverage. It is advisable to insure your car. We soon discovered it took a heap of planning to insure ourselves a well organized trip.

Then we began to estimate expenses. We pooled our resources and came up



Curtis Walker

with \$200, which we had changed into Mexican currency at the bank in San Antonio. For every American bill we gave the teller, he handed us back 12½ Mexican pesos. We were three rich 'peons'.

Gasoline is sold by the 'litre'. (3.8 litres equals one U.S. gallon.) Supermexolina sells for 90 centavos a litre, which comes out 27c a gallon, and gives fair performance.

Miles just are not miles in Mexico. They are kilometers. After I made a futile attempt to push the old bus 80, like the signs said, I reduced it to our miles and found out the speed limit in most parts was right at 50 M.P.H.

Entering Mexico at Laredo, our journey took us south through Monterey, then west through Torreon, Durango, and on to Mazatlan, on the Pacific Coast. Although heavily armed with road maps, AAA booklets and a headful of advice from our well-wishers, we

were not fully prepared for the conditions which we encountered. Roads narrowed as we traveled westward, becoming more hazardous as we got into the mountains. The worst stretch was between El Salto and Mazatlan, at a place they call kilometer 1120. Manual insisted it was an abandoned donkey trail. We were inclined to agree. Up there at kilometer 1120, the road was narrow, scooped out of the mountain on the rim of a seemingly bottomless canyon. As we rounded a curve we saw a big truck with its left wheels off the road. This obstacle made passing difficult, and we had to stop to help push a bus through the mud. At an elevation of 11,000 feet the temperature was near freezing. As we shivered in the dark, I heard a distant rumbling that came closer and grew louder. We all looked at each other, and then Manual yelled to the others in Spanish. *Avalanche!* We took cover and the slide missed us by 200 yards.

A gillion kilometers from nowhere, we went through two tunnels. They were beautifully hand tiled inside, but hardly wide enough for the car. There were niches in the wall for pedestrians to duck into as traffic swept past.

Most of these roads were impassable during the daylight hours, as they were under construction. Repeated blasting had loosened huge rocks on the upper slope and threatened constant slides. We saw a dragline that had just been dug out from under tons of rock only a few days before. It looked like a child's toy that had been run over by a fast freight. There was a continuous shower of gravel and sand as we crept through the darkness. We were able to cover thirty miles in five hours!

We found the beaches at Mazatlan very appealing. The big granite rocks lay right at the edge of the surf, the water was cold and crystal. Not many American divers go to Mazatlan, and natives were curious as we put on our gear.

Fish were plentiful, although not especially large. The ocean floor crawled with scarlet lobsters. However, the natives do not appreciate divers taking them.

April was a little early in the season for comfortable water temperature without rubber suits. So we packed our gear and set out to find warmer water.

Manzanillo, south along the coast, was recommended for its diving conditions and fish, but we were cautioned about a peculiar insect which lives in the sandy beaches. It is dangerous to the Gringo, whose skin is not tough enough to prevent the insect from boring into the flesh and under nails.

Three days had passed as we swang east through Mexico City, heading for Acapulco. None of us had been to



Manuel poses on "Caballo" during rest stop at Tequila.

Acapulco before, but we were certain we would find warmer water and more favorable diving conditions.

Miles from the coast we began to sniff the salt air. The highway was lined with banana groves, and all manner of tropical vegetation with brightly feathered parrots squawking in the trees and wild canaries darting about everywhere. Our budget had been geared to half this distance so our accommodations in Acapulco would have to be modest. We inquired at a couple of the more elaborate beach hotels, and then a native boy directed us to a hotel operated by his uncle. The place was still under construction, but the completed floors were available. Here we got a suite of rooms, with a private terrace for 30 pesos a day. (\$2.40 in U.S. dollars.) The rooms were large and comfortable. We hardly noticed the noise as the building went on. The meals served in our room or on the private terrace were very good. Three a day cost us about \$2 per person.

As soon as we could we were in our bathing suits and ready to explore those beautiful waters. Unbelievably clear, the water was a warm blue, and calm as a pond. Underwater visibility was unlimited! The bottom tapered rapidly from the beach to a depth of around forty feet. Giant sea urchins blanketed the floor. Many were three feet across, with long deadly spines. Manual ventured too close and got one right through his flipper. Sufficiently warned, we detoured over the rocks to inspect the green and yellow tinted star fish. A flirtatious moray eel eyed me from a crevice as I swam past, but did not bother to come out. Needless to say, I didn't coax him. Among the thousands of unidentified species, were schools of fish of iridescent blues and yellows. Angel fish, spade fish, and the fascinating trigger fish were bountiful. Curious and graceful, they were too pretty to spear.

Satisfied that we had at last found our paradise, we returned to our hotel. Tomorrow was another day.

Although guides and boats are available for a price, it is impossible to find a guide who is familiar with diving procedure. Snorkeling is popular among the natives. Young boys dive for star fish to amuse the tourists. Few natives use the lung, however.

Finally, we located a guide with a sturdy 24 foot open boat, and a cranky 25 horsepower outboard motor. After much haggling about the price, we hired him and his helper to take us across the bay to the island and deeper water, for 25 pesos an hour. (Two bucks to us.) They anchored the boat just off the rocks, and Manual and I put on our gear. We instructed them

to wait in this spot, and went over the side.

At a depth of 40 or 50 feet, we found a couple of groupers between eighteen and twenty pounds. They eyed us with suspicion. They imitated our movements, surging ahead as we approached them, and hanging motionless when we stopped. Apparently they were not new at this game, for they were clever enough to stay just out of the range of our spearguns. Not interested in spearing any of the smaller fish, we pursued the groupers until our air began to get low.

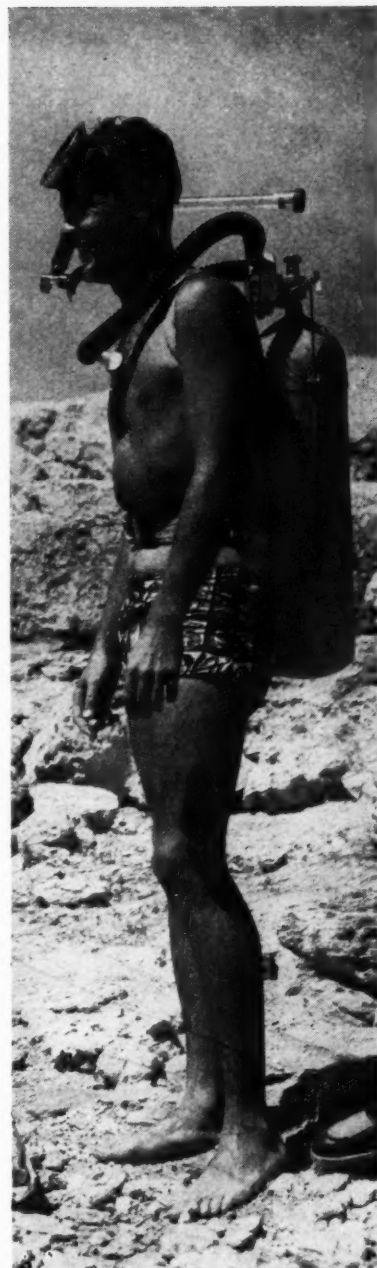
Having navigated in a small area, we surfaced close to the place we entered the water, expecting the boat to be near by. To our dismay it was some 300 yards away. We were tired, and even with the reserve in our tanks, it was too far to swim. We squeezed our CO<sub>2</sub> rescue packs, took off our lungs, and commenced thrashing our arms and yelling to the guides to come pick us up. After several attempts to start the cranky motor at full throttle, the boat lurched in our direction. Provoked by their lack of dependability, Manual questioned them in Spanish. They explained that the anchor had pulled loose and they had been afraid the boat would go on the rocks, so had allowed it to drift out. I couldn't understand a word Manual was saying, but from his tone and expression decided he was getting our displeasure across. A couple dozen jerks on the motor and we were headed for the beach.

In our hotel room we refilled our tanks, using a rig I assembled before the trip. A single  $\frac{3}{4}$  horsepower 3450 R.P.M. electric motor powered two Cornelius compressors. Filtered through two pounds of activated charcoal, the air was pure and sweet. When tested in my workshop, at home, it took an hour and fifteen minutes to charge a 70 cubic foot bottle. Here, on 95 volt A.C. current it took an hour and a half.

We had two extra bottles, so there was no waiting for refills. We also brought along four extra regulators, five spearguns, six extra spears, and a box of spare parts for the compressor. I'm happy to say we didn't use any spare parts.

After each dive we made good use of a fully equipped first aid kit. Raw sewage is pumped directly into the surf, so even superficial cuts and scratches should be treated promptly. We carried Halizone to purify our drinking water.

Even these minute precautions did not benefit our pal, Jack. He succumbed to a violent siege of "Tango-Trot," due to the change in diet. Under the care of a local 'Medico' he spent two miserable days in bed with a high fever.



Jack Krezdorn studies the beach at Mazatlan. Photos by Curtis A. Walker.

Manual contracted a touch of it, but recovered quickly. My wife is not a good cook, in the first place, so I suppose my innards adjusted to the shock more easily. Also, I took care not to eat any fresh vegetables, unless they were thoroughly cooked, and only fruits that had been peeled. We even rinsed the silverware with tequila before we used it. (Besides drinking, tequila is a good antiseptic, bug solvent for windshields, and will take the pain out of jelly fish stings.) I ordered my eggs soft-boiled, depending on the hen

(Continued on Page 40)





Don Davison, demonstrating method of entry in water to Michigan Policemen, devotes countless hours each week in teaching different groups about skin diving. He has toured the entire Great Lakes area putting on demonstrations and is one of the leaders in Scuba instruction.

WATER SPORTS, in some form or another, probably contributed more to the recreative pursuits of the American public than any other. If, to the estimated total of fifty million swimmers, were added some twenty million fishermen, a similar number of boating enthusiasts, five million hunters on water, and two million skin and scuba diving devotees, plus other itinerant activities relating to water sports, the figure would become astronomical in size. Unquestionably, water sports are a large contributor to the relaxation of the public of our great country.

Water, like fire, can be one of man's best friends but, in the hands of the untrained, his deadliest enemy. Many agencies, Red Cross, YMCA, YWCA, YM and YWHA, Boy and Girl Scouts, etc. recognize the need and devote a large share of efforts to training in this field but, as the scope of water sports increase so does the accident rate, with an estimated 6,000 drownings during 1956.

Michigan, the Water Wonderland, contributed some 275 victims to that tragic total in the past year, a figure too

large to escape the attention of Governor Mennen (Soapy) Williams, who issued orders that 'something be done about it'. This responsibility fell on the shoulders of their capable public protective and law enforcement agency, the Michigan State Police, whose Commissioner Joseph A. Childs called a meeting of departmental heads to plan a course of action.

Superintendent Howard Seiler of the Uniform Division selected two men from each of the eight police districts

# UNDERWATER TROOPERS

*Selected Members of  
Michigan State  
Police Receive  
Underwater Training*

By **DON DAVISON**





Indoor training for the Troopers included a complete check-out in all phases of skin and scuba diving. Instructor Davison, in shirt, describes the purpose of the depth gauge and how it might be needed in rescue work. Michigan State Police Official Photos by B. Myers.

throughout the State for the added duty of protecting the public from the dangers of water accidents. These troopers were selected on the basis of his mental and physical qualifications, with each man possessing a minimum of at least a currently valid Life Saving Senior Certificate—four of them were former members of the US Navy UDT (Frogmen) and several were Water Safety Instructors. This special detail of 16 troopers was assembled at the East Lansing, Michigan headquarters of the State Police on Monday morning, August 12, to begin a week of intensive training for the work.

Lieutenant William J. Ward, Commanding the Police Training Bureau, addressed the men on their added duties. "The safety of the public on and in our waters and the enforcement of our laws thereon is as much a part of your job as it is on our highways. Recklessness on either land or water will not be tolerated. You have all been trained on land and now you will be trained on and IN the water. To some of you, this will be a new role, but," he admonished, "always remember that you are MICHIGAN STATE TROOPERS who are water safety specialists, and not skin divers who happen to be State Troopers."

The Troopers were then placed under the direction of Trooper William Carter, an instructor of the Police Training Bureau, and Don Davison of Cleveland, Ohio, a Water Safety Instructor and representative of the DACOR Corporation, manufacturer of diving lungs. For a week, these selected Troopers were to spend from 14 to 16 hours daily in absorbing theory and putting that theory into actual practice. The first two days were about equally divided between

classroom and the headquarters pool, with a practical search problem being worked out on Wednesday afternoon at Duck Lake, Thursday afternoon in the Grand River, and the final training day of Friday was into the deeper waters of Brophy Lake. Eight State Police cars to transport the personnel and towing the eight State Police boat trailers had caravanned to each of these points.

All week long it was study and cram, listen and learn, swim and dive, boat and canoe, and practice until perfected the water arts to assure that they could efficiently handle their added duties. Work, and hard work throughout long hours, but well worth every minute for on the broad shoulders of these State Troopers was to be placed the responsibility for reducing the number of drowning victims within the State of Michigan—in short, through their knowledge, to instill greater water safety consciousness among the State's participants in water sports.

They were also charged to assist by skin diving in the recovery of the bodies of drowning victims—they have practically abandoned the antiquated method of recovery through the use of grappling irons which is slow, tedious, costly, and usually unsuccessful work and which, when minimally successful, regards the efforts of leaving deep scars on the memories of both workers and witnesses.

Then too, lakes and rivers have become a favorite dumping ground for criminal evidence and recovery of this by dragging operations has been virtually impossible. Many crimes have been solved with the recovery of such evidence through skin diving techniques. The fact that Michigan can now do such searching should reduce this meth-

od of disposal as a desirable feature for criminals and might even serve as a deterrent to crime.

Boating hot-rodgers will now need to practice their reckless creed with 'one eye on their rear view mirror' for the long finger of the law as do their highway colleagues with their hot-rod cars. Commercial boat liveries who rent boats without one approved life preserver for each occupant may also be tagged for violation and those who load boats above their rated capacities are subject to warnings or fines. In fact, all phases of activities on and in the water within the State of Michigan that might result in injuries or loss of life will be under the scrutiny of the State Police. They are determined to reduce the size of their contribution to the national mortality rate in water sports, regardless of whether it be through voluntary or involuntary recklessness.

The first opportunity for service by this new detail came within a week after its organization. On Thursday, August 22, a double drowning occurred in Walled Lake, northwest of and suburban to Detroit. After four hours of unsuccessful recovery efforts by the local authorities, the State Police were called to the scene. State Troopers William Carter and Thomas Meehleder arrived with their underwater breathing equipment and laid out an underwater search pattern. Within twenty minutes, they had located and recovered the bodies of both victims of this tragedy.

The entire detail is hoping for the day when they will arrive at an accident location in time to recover a victim before life is extinct—thus restoring a human to society rather than recovering a body for relatives.

# ISRAEL SUB-SURFACE PIPELINE CONSTRUCTION

By ANDREAS MEYER

During the past two years a crew of skin divers have been engaged in a project to lay a 60 inch steel pipe 870 meters (slightly over a half mile) out to sea off the coast of Tel-Aviv, Israel.

After reading of free divers being used for the underwater construction work on the giant St. Lawrence seaway project in Canada, I felt compelled to write about our work here which is done almost entirely by skin divers.

In Nahariya, a small town in the north of our country, my brother and I are producing skin diving equipment under the name of Dagon which is the Hebrew equivalent of Neptune. Before starting this production, we worked on construction jobs and pipe laying, which I learned in Ger-

many. In June, 1955, Mr. Gut, contractor for the underwater pipe laying project, employed me as foreman for this task.

The first 200 meters from the beach are being cast in concrete which means that two walls of sheet piles had to be driven into the ground about three meters apart and excavated in between. After the pipe was brought in and fixed in place, the concrete was poured. As the depth at this distance from shore was about four meters strong reinforcing of the walls was necessary for them to withstand the force of the breakers until after the pouring of the concrete. The sheet piles were then cut at the upper level of the concrete about two meters beneath the surface.

Free divers drill two inch holes into steel piling at 30 feet.  
Photo by Eli Bar-On.



Eighty-one rows of four pieces of 16 inch pipe were driven into the ground to a depth between nine and eleven meters depending on the kind of soil or rock we met for the remaining 670 meters. After the four piles of each row were connected by heavy iron construction at the right level, the 60 inch pipe was brought in and a similar construction was lowered on top of the pipe and again connected to the piles and to the lower construction. Most of the pipe had to be laid under the seabed up to two and half meters, which required a considerable amount of digging and blasting.

The outer two of the four piles in each row were left longer to stand out of the water to provide a temporary bridge from which all work was done.

At the present stage all the piles have been cut just above the construction and except for some markers nothing is to be seen above the water any more. Working from a pontoon we are going over the whole length again to give it the finishing touches which means raising all the cut piles, tightening all screws and drilling a few hundred two inch holes underwater. We hope to have the whole job completed in the next month.

As all our tools, winches, etc. were driven by compressed air, we had an airpipe fixed the whole length of the bridge. Therefore by fixing a filter where needed, we were able to do much diving by Narghile.

On the pontoon we have a compressor and generator for cutting. Most of our diving equipment is made by Siebe and Gorman as scubas, Narghiles, rubber suits, cutting equipment, etc. Masks, fins, light rubber suits, etc. were produced by Dagon.

On the average there have been about 15 divers working on this project doing two to four hours diving daily and working topside while not diving. Quite a few work days were lost by bad weather and some damage was done during a winter storm.

Our diving team is made up of quite some characters, not usually found on one job. The languages heard on the job are Hebrew, Italian, Russian, English and German. But all together we are quite a crew and one thing seems to be the common aim—who can bluff the most.

The former trawler man telling about the sea monster who tore their nets or the hobby spearfisherman telling about the big tuna which provided the whole neighborhood with free meals for a week. But to hear Gino, the old helmet diver who is quite happy with scuba and fins, raise a point with the inevitable "professional" would put Cousteau to shame. The joke of the day is surely our storekeeper who just about knows water from his soup trying earnestly to persuade an old hand that his scuba valve is in perfect condition. But that he, the old hand, just doesn't know how to dive.

And then during their summer vacation we had five or six students from the Technicum. They proved to be very good divers and helpers and never failed to give their advice to the many technical problems, whether asked for or not. Mostly they were not asked. A few of course didn't stay long with us, as for instance the one who after lengthy instruction didn't come up for half an hour. When at last he ascended, he surprised us with the clear statement "everything alright, the pipe is there!"

All in all a good job was done by the divers under very hard and difficult conditions. Temperatures were down to 12 Celsius last winter and much work had to be done at night with air powered underwater lamps. There were no accidents while diving, except minor scratches and one near accident when one of the diver's air hose was caught between two tons of lowered construction. We got him out so fast that enough air was left in his lungs for some very powerful words.



Divers remove flange from the pipe and prepare to lower pipe to the bottom where they will connect it to main line.—Photos by A. Meyer.

Their energy and air exhausted, a team of divers returns to the barge while a second team prepares to replace them at work on the sea bottom. Much more work was accomplished on the construction by this shift method of operation.





# CONNECTICUT'S SUNKEN SUBMARINE

Photo of Randy Harper  
aboard the USS G-2 taken  
by C. Vendetta of the Hart-  
ford Times.



By Will Jacobs

Underwater Sports, Inc.  
Hartford, Conn.

For several months skin divers have been asking me if I knew anything about a submarine supposedly sunk off Niantic, Waterford, New London or any one of various other locations in Conn. The rumors and stories persisted with many variations. This sub had lost from two men up to her entire crew, depending on which story I heard. She rested in fifty to one hundred five feet of water according to each different version.

My partner, Rocky Bartone, and I decided to check on this wreck and we spent some time talking to fishermen and lobstermen in the general area of Niantic. It seems as though they had heard of a sub being lost in the Millstone Pt. region after the first war, but no one knew her location. Salvage attempts had been made without any success and no one could give us any solid information. We later found out we could have gotten all our information from local newspaper files or from the Submarine Museum at the Electric Boat Co. in Groton, Conn., but we did not know this until after we had boarded her.

The USS G-2 was built by the Lake Torpedo Boat Co. in Bridgeport and was commissioned on February 6, 1915. Some of her characteristics were as follows: Length 161 ft., breadth extreme 13, 0 13/16 ft., displacement 475 tons,

twin screw gas engines, and a full speed of 14 knots. The greater part of her service was given to experimental tests and trial runs through April, 1918. In May 1918, she was assigned to patrol duty off Nantucket and surrounding waters. The G-2 was obsolete and decommissioned on April 2, 1919. The Navy decided to use her as a test vessel to determine the effects of depth charge explosions on her hull and fittings.

In accordance with approved procedure, the G-2 was moored in 13 1/2 fathoms of water and Two Tree Channel off Magonk Pt. Assisting in this operation was the Coast Guard Cutter Acushnet. The tests were started on July 28, 1919. The G-2 was submerged in 45 feet of water and a depth charge was exploded on her starboard beam. The sub was then raised to the surface and examined. No severe damage was discovered and plans were made to submerge her on the evening of July 29. It was then discovered that an after engine hatch cover was sprung and that the sub had developed a slight leak. The hatch cover was removed at 8:30 a.m. July 30th, and sent to New London for repairs. A crew of six men was below trying to raise the stern by blowing water overboard from the after main ballast tank. At 9:18 a.m. the G-2 suddenly sank by the stern causing the deaths of Doyle Kervin, Arnold Henderson, and Sidney Uhlik. The opinion of the Naval Court of Inquiry was that the G-2 sank because of water entering the after main ballast tank allowing the stern to sink until the after engine room hatch submerged. The forward and main hatches then also submerged allowing water to enter all parts of the interior causing the vessel to flood and sink immediately. The bodies of the three victims were found floating in the vicinity within a couple of days. The USS G-2 was stricken from the Navy Register on Sept. 11, 1919.

Our first attempt to find her was made in the latter part of June aboard

the "Doris" with Dep. Sheriff Woli Dr. Knowles, Sp. Smith, Photographer Charles Vendetta of the Hartford Times and myself. Fog hampered our search and we called it quits. A few days later we made another unsuccessful try aboard my boat the "Excalibur" with the following divers: Dr. Knowles, S. Smith, C. Vendetta, my partner Rocky Bartone and myself. Our third try proved successful. Included in this group were L. Stranahan, R. Harper, C. Vendetta and the author. Vendetta and Harper made the first descent but due to the swift current no pictures were taken.

We were not the first persons aboard her by any means. Several salvage companies have surveyed her for junk value, but decided against trying. A national magazine has photographed the wreck and those pictures should be on the stands soon. A Mr. McGuire of New York now has the salvage rights and expects to raise her soon. The sub has three buoys marking her and she is in about 64 feet of water almost due south of Magonk Pt. in Waterford, Conn. It is an interesting wreck to see and by now many local divers have probably visited her.

The Conn. Sea Devils were the first club to board her in a club sponsored dive on July 28th. The following members were present: Jim Jacobs, Ed Jacobs, Paul Boy, Len Vendrillo, Joe Dodge, Rene Gagnon, Tony Cassano, Phil Desroches, Bill MacDermid, and Tom Cecere. Boz Ley of the Mass. Sea Lions, and Leo Tremblay of the Gillmen accompanied me on July 31st along with Ralph Smith of Warehouse Pt. Future dives are planned by clubs of the Conn. Council including The Associated Skin Divers, The Norwalk Skin Divers and the Bridgeport Cuda's. Divers are warned of swift currents during the flood and ebb tides. They should try to reach the wreck during slack water. As I mentioned before all salvage rights belong to Mr. McGuire and I am sure those rights will be respected.

# AROUND the SOUND

By PETER PUGET

The Peter Puget column is compiled each month by representatives of the Pacific Northwest Council. Material for the column should be forwarded to Puget Sound Divers Co., 2520 Westlake Ave., No., Seattle directly or through any local dealer or club.

Big event of the month . . . The Seattle "Y DIVERS" meet, at Alki Beach was a real smackin success . . . the club really went all out in setting up comfy stations etc. for participants . . . everything that could be needed was there and labeled. A big gold star for effort to the Y Divers. Results of the meet were as follows:

First place . . . Puget Sound Mudsharks . . . Team, Keffler, Tallman, Blanchard. Total of 98.4 pounds

Second Place . . . Puget Sound Mudsharks . . . Team, Dean, Mertz, Kline. Total of 55.6 pounds

Third place . . . Nor'West Divers . . . Total of 32.5 pounds

There were teams participating from Washington, Oregon, Canada, and California.

The Seattle Sheriffs Divers were a busy bunch at the Gold cup races on Lake Washington . . . they were stationed on Coast Guard boats, barges and even in helicopters.

Dale Dean (we should of known he'd be in on this) Gary Keffler, and Ed Thomas are still chuckling over the gag of the year. It seems that the Seattle Cannon Hunters Association were having a banquet at the Wharf Restaurant (We hear tell an editor from Sat. Eve. Post was present) when lo' and behold as guests looked out over the Sound up pop three divers with what appears to be . . . yes it is . . . a cannon . . . There was a hushed silence while the guests settled into a trance that only a Cannon Hunter can know . . . then wild fever and pursuit set in . . . Newspapers were called and T.V. coverage was instant . . . what ancient vessel could this be from ??? . . . Our three Seattle Divers . . . club name omitted on purpose . . . stand by with innocent smirks on their faces . . . letting the frenzied Cannon Hunters go into fits trying to find a clue . . . When the three felt it was getting a bit out of hand (understatement of the year) they confessed to having ditched the cannon there previously . . . humm . . . now

## FLORIDA STATE AAU CHAMPIONSHIPS

By Bob Maxwell, Jr.,

The Miami Skin Divers, fresh from winning the Greater Miami tournament, edged out the U. of Miami Sea Devils to take the 1957 Florida AAU Championships. Boats left Tom's Harbor Landing, Grassy Key, July 28 to fish the Reefs Southwest of Tennessee Light for four hours.

Under a point system, only the five largest fish of each of the following species counted for points: Barracuda, Grouper, Hog Snapper (Hog Fish), Jack, Mackerel, Mutton Snapper.

Five points were awarded for the largest fish of a species, four for the next largest, three for the next, etc. Minimum weight per gutted fish was three pounds.

The Miami Skin Divers team of Paul Dammann, Don Del Monico and Jack Kearns took first with fifteen points, ten of which were scored in the grouper division. Their 36½ pound grouper was the largest fish in the contest.

Second with fourteen points were Phil Shaver, Jack Slack and Alan Riddle of the University of Miami Sea Devils. Included in their catch was the largest Hogfish, 6¾ pounds.

Third were the Glug Glugs of Miami with twelve points. Members of the team were Bob Wright, Bill Kelly and Herbie August.

The Palm Beach Fin Divers scored all of their 9 points in the Jack Division, the largest of which ran 12½ pounds. Art Campbell, Bert Picklesimer and Robert Palmer fished for the Fin Divers.

where would they get a cannon, that would look like it had been in the water for years . . . say you don't suppose those guys really did find one and want all the glory for themselves do you? . . . wonder if the anchor is still there . . . Now where did I throw my flippers last nite?

The "Y Divers" took a run up to Birch Bay, on the Canadian side, for a club outing. Nothing much was reported . . . if this keeps up I'll have to start using my imagination.

Mudsharks who have investigated one of their "junk cities" report that they are well populated. You will recall that the Puget Sound Mudsharks had a project last Fall of dumping old cars etc. to form their own fishing haunts . . . seems to be very successful. This will undoubtedly continue to be a club project.

All eyes are on the jetty that is being put up out at Golden Gardens . . . this should be a promising place in the future.

We believe that this point system, once accepted, will provide a more interesting and varied contest than the usual aggregate weight affairs in this area. In the past, large catches of grouper were a must in order to pile up poundage. In this point system, a five pound Mackerel, which is a rare shot, would more than likely score as many points as a 60 pound grouper. A large haul by spearfishermen is often adverse publicity and a control on poundage is desired without distorting the original purpose of the meet, to provide competition without discrimination. A comparison may be made to show the difference in the aggregate weight and point systems. In a recent Miami tournament the top three teams weighed in with 741 pounds between them as opposed to 245 in this tournament. The first two teams finished in the same order in both tournaments. Naturally, a point system such as this is suitable only in waters containing a variety of fish, but is fairly flexible in that the number of qualifying fish and/or species may be adjusted under different conditions and localities.

The Sponsors wish to thank Bob Ahrons of Tom's Harbor for the use of his facilities, and Bert Picklesimer for the fine engraving of the trophies.

## Just Telling!

By Henry del'Judice

This is not an appeal, it is a statement of fact addressed to one of the tightest fraternities I know, "The right honorable brotherhood of skin divers."

Time and time again I've seen things happen that prove it. Some poor unfortunate guy digs out his gear on the beach and wails "nuts I left my mask at home" and up and down the beach the cry goes. "I've got an extra," "I'm through diving, leave it on my front porch if I'm not home" and everyone, even a perfect stranger up till then, drunk or sober, broke or flush, I've never seen a diver who wouldn't extend the helping hand of friendship, unbidden and without thought of recompense. That's why I say I'm not asking, just telling.

The U.S.A. spearfishing champions needed \$3,000 to cover the leanest necessities for their trip to Europe. By hook and crook, etc., we raised \$2,500. The boys had to make a personal loan for the other \$500.

Now if one hundred guys and gals or clubs send in \$5.00 we've got it made.

Checks or money orders should be made out to: SPAAU Champions to Europe Fund, 5914 East 2nd, Long Beach 3, Calif., % Underwater Sports Shop.

P.S. It's tax deductible.

WASHINGTON, D.C.—**Russell I. Mason**, former Navy scientist, has patented a special underwater compass for divers. The device is designed so that a diver can read it at arm's length. According to the inventor, the ordinary wrist compass is hard to read and its visibility depends on its own luminescence; the diver has to bring it close to his eyes and in doing so holds it near his metal tanks which deflects the needle. The new compass uses a plastic case containing a compass card on which a magnet is mounted. Light from a small battery-operated lamp shines up through a slit in the card, which swings around its pin to indicate magnetic north. When the slit is in alignment, a rod of "light-piping" plastic such as lucite glows. Royalty-free rights have been granted the government, but the inventor retains the commercial rights.

LIVRY, FRANCE—A diver has brought up 200 20m shells from the bottom of the **Seine** where they apparently had been sunk by retreating Germans in 1944. Another 400 are being sought near a river bathing beach.

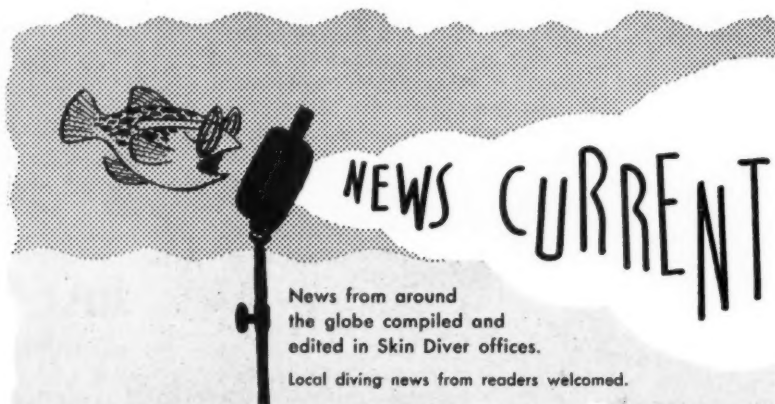
NEWPORT, RHODE ISLAND—Newport city council voted moral support only to diver **James Horsefield** who proposes to break the seven-mile underwater swimming record for skin divers with breathing equipment. **Horsefield** was seeking financial backing of from \$4,000 to \$5,000 for the stunt which he stated in a letter to the mayor would bring considerable publicity to the city. The letter also asked the city to provide the waters for the swim, but the solons reported **Newport** did not have jurisdiction over **Narragansett Bay** waters.

NEW YORK—Skin divers big enemy is not the shark, barracuda and octopus, as commonly believed, but the spineless jelly fish. The sharp toothed shark and barracuda and the eight legged octopus are more often prone to run than attack, but not so the **Portuguese Man-of-War** which burns and clings to whatever they touch.

ELMIRA, NEW YORK—Four members of the **Elmira Skin Diving Club** have cleared rubbish from a large section of the **Chemung River** above the dam at the foot of **Fulton street**. The club decided to clear the area to be used as a club swimming pool.

COLLEGE STATION, TEXAS—Skin divers failed to locate the body of a man in the murky and turbulent **Trinity River** near **Huntsville, Texas**. Six divers of the **Texas A & M Divers and Rescue Squad** participated in the search. Visibility was zero and the area was clogged with debris.

CLEVELAND, OHIO—Scuba divers concentrate on a watery game of chess at the bottom of a **Cleveland** pool to attract attention to the **National Chess Tournament** opening in **Cleveland** with more than 200 entrants from the **United States** and abroad. However, **Elwyn Gurnes** and his brother, **Lester**, find the unusual setting for the game provides an excellent retreat from "back seat drivers."



PORT HURON, MICHIGAN—Six pistols recovered by **William Hinkle** and **John Allen** while skin diving in **St. Clair river** at the foot of **Bard street** have been turned over to officials who report four of the weapons are in firing order.

PORTLAND, OREGON—Once again **Jerry Hiersche** captures the underwater endurance record. The 18-year-old youth broke the recent record set by **Jack Crevalle** in **Miami's Seaquarium** by more than five hours. The new underwater record is 34 hours, 30 seconds.

BETHLEHEM, PENNSYLVANIA—**Rev. Peter J. Dunne** is \$20 richer thanks to a skin diver in **Glens Falls, N.Y.** **Mrs. Ovide Prince Jr.** wrote to the rector of **St. Ursula's Church** that her husband had found the wallet while diving off **Dollar Island**. The wallet was lost two years ago.

SEATTLE, WASHINGTON—Skin divers are being recruited by the sheriff's department for a **Tennessee** mother. **Mrs. Nora S. Mayes** of **Clinton, Tenn.**, is enlisting the aid of divers to search **Black Lake** for her flier son who was lost in a plane accident eight years ago. The sheriff said **Mrs. Mayes** has come here every summer for eight years to conduct a personal search for the **Navy** training plane that vanished **March 9, 1949**, with her son and another airman aboard.

LIVERPOOL, ILLINOIS—Attempts to locate the skeletal remains of a mammoth or mastodon will be continued following the recent failure of skin diver **Larry Brown**, a physical education student at **Western State University, Macomb**, to locate any signs of the animal on the bottom of a gravel pit here. **Brown** tried for an hour to locate the bones but gave up because of limited visibility and a mud covered bottom. Search for the bones of a prehistoric animal was set off when workers pulled up a ten pound tooth which was identified as coming from a mammoth. However, chief curator of the **Illinois State Museum** in **Springfield** believes a 22-inch tusk recovered earlier about 100 feet away belongs to a mastodon. Both animals were members of the elephant family and similar in appearance.

WATERFORD, CONNECTICUT—A skin diver's mecca in the form of an old submarine **G-2** which sank in 1919 about 1300 feet off **Pleasure Beach** may soon come bobbing to the surface. A third attempt to salvage the hulk has been started.

NEW YORK—French diver **Dimitri Rebi-koff** will try to get enough film footage of the **Andrea Doria** for an 85 minute color documentary by riding around the wreck on film torpedos equipped with 90,000 candlepower lighting and 16 mm **Beaulieu** cameras. Independent film producer **Dick Flower** has raised \$100,000 from **American** and foreign interests for the project.

AUSTRALIA—Fisheries inspector **Reg Budd** has issued a warning to skin divers using explosives for salvaging brass and other metal from sunken vessels. A penalty of 50 pounds could be imposed upon divers using explosives without permission from the fisheries department.

WASHINGTON, D.C.—The **Navy** confirmed that it made an intensive but fruitless effort to retrieve a practice bomb shaped like an atomic bomb which a disabled plane dropped into the **Atlantic Ocean** off **Jacksonville**. However, the **Navy** denied a report that the bomb was an actual atomic bomb or even a disarmed training version of a real A-bomb. The bomb was jettisoned on orders on **June 19** by the commander of a distressed **A3D** attack bomber before the crew bailed out of the plane. Rumors that the bomb was a genuine and that the **Navy** feared wave action might arm and explode it sent **Navy** skin divers into the sea to disarm it.

TORONTO, CANADA—A dugout canoe believed built by a tribe of **Indians** that vanished more than 5000 years ago was found by **Norman Ritchie** of **Richmond Hill** while diving at nearby **Haines lake**. **Dr. Norman Emerson**, **University of Toronto** anthropologist, suggested the canoe was built by the **Laurentian Indians** who have been rated by archeologists as the best woodworkers of ancient days.



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**GOSHEN, INDIANA**—Goshen skin divers participated in salvage operations at **Long Lake, Michigan**, to raise an amphibious plane off the lake's bottom. The plane which recently sank in 50 feet of water weighs three quarters of a ton and was valued at about \$20,000. Empty oil drums were used to float the plane to the surface.

**FT. LAUDERDALE, FLORIDA**—**Jack Newbury** and **Ken Ehrenreich** have been hiking across the floor of the ocean since early July with a 700 pound anchor. Recently they hauled their prize ashore and are now hopefully awaiting reports of metallurgists. The two divers solved their big problem of how to bring the huge anchor to shore by deciding to walk it into the beach. The pair believe the anchor dates back to the middle of the 19th century. They first spotted it on a **July Fourth** outing about 250 yards off the **Galt Mile** in 25 feet of water. The walk to shore with the 700 pounds anchor took seven hours.

**SITE OF ANDREA DORIA WRECK**—**Peter R. Gimbel** of **New York** and his co-diver, **Ramsey Parks** of **Hermosa Beach, Calif.**, report the **Andrea Doria** lying in forty fathoms, sixty miles off **Nantucket Light** has become the refuge for thousands of fish—and a prime hunting ground for sharks. The pair who recently dived on the wrecked liner a little over a year after the sinking said they do not plan to go back soon again. Too many sharks.

**SAUGATUCK, MICHIGAN**—A sunken hulk in the **Saugatuck** harbor turned out to be the **Condor**, not the **Milwaukee** as tentatively identified by divers. The **Condor** sank in 1885, the **Milwaukee** in 1842 with its crew of nine. Diving on the remains of the vessel were **Jim Bradley** and fellow members of the **Sea Lions Club**.

**SIMONSTOWN, SOUTH AFRICA**—The first course of permanent force naval frogmen to be enrolled in **South Africa** will go into training soon at the **Naval Dockyard, Simons-town**, where a full time diving school is being established.

**BOISTFORD, WASHINGTON**—Modern day version of **Mark Twain's** immortal characters, **Tom Sawyer** and **Huck Finn**, push off in a rubber raft for a two week trip down the **Chehalis River** to salt water. The trio of youths have included skin diving equipment for their two week journey.

**LANSING, MICHIGAN**—**State Historical Commission** experts were attempting to determine whether parts of a wagon dragged from a lake are from a vehicle that has figured for generations in stories about the slave traffic of pre-Civil War days. Three skin divers, **Ervin Morris**, **Ira Cooper** and **Merritt Nevins**, encouraged by **Dr. Louis Beason**, commission director, were prepared to return to **Birch Lake** in southeastern **Michigan's Case County** to see if their weekend discoveries have historical value.

**MELBOURNE, AUSTRALIA**—A skin diving plumber is needed here. The famous \$500,000 swimming pool built in **Melbourne** for last year's **Olympic Games** has sprung a leak—and nobody knows where to plug it. The pool is losing water at a rate of up to 300 gallons an hour.

**NEW YORK**—From **Cholly Knickerbocker's** column comes this one: "**Tallulah Bankhead** met TV director **Frank Satenstein** the other day at the **Westhampton Bath and Tennis**. When he told her he had just come back from skin diving in the **Bahamas**, **Tallu** drawled: 'How terribly difficult it must have been dahling, to keep the martinis dry' . . ."

**SKIN DIVER—October, 1957**

**NEWPORT BEACH, CALIF.**—**Lester Hanson** was rescued while swimming off **Dana Point** by the **El Toro Marine** helicopter crew. **Hanson** had wounded himself with a spear gun and had managed to reach shore at the base of a steep cliff when the helicopter picked him up.

**NEW LONDON, CONNECTICUT**—Skin diver-doctor **James E. Stark**, navy lieutenant commander and director of submarine medicine training at the **New London** submarine base, says the **American crawl** is about the worst way to teach a youngster survival in the water. Every summer children drown within a few feet of safety, yet we continue to teach them a method of swimming which tires them rapidly and leads to panic according to **Stark**. The navy's underwater swimmers in making a long approach to a beach use the sidestroke or even the dog-paddle.

**POINT PLEASANT, NEW JERSEY**—A crew of four skin divers have been awarded the right to salvage a wreck that was carrying ingots of tin and sunk off the **New Jersey** coast about 125 years ago. All salvaged items must be turned over to the state for appraisal and public auction. The divers get 85 per cent and the state the remainder. So far the four, **Jack Baker**, **Jack Homer**, **Robert White** and **Robert Franklin**, have recovered wooden barrels of steel cutlery, brass door knocker, hinges, brass pots, harness chains, a variety of pewter and ingots of tin, totaling close to seven tons.

**VICTORIA, AUSTRALIA**—**Victoria's Sub-Aqua Group** members have discovered a new source of scallops for **Melbourne**. The present supply comes from **Tasmania**, but the skin divers said they discovered at least a square mile of scallops off **Point Cook**. The divers have also located beds of oysters off **Mornington** and the region that is probably the breeding area for all the flathead in the **Bay**.

**MARGARITA ISLAND**—Legendary isle of pearls off the **Venezuelan** coast, **Margarita Island** was the site of the discovery of an earthenware jug, buried just a few inches beneath the surface of the ground, in which was contained pearls valued at more than \$300,000. **Venezuelan** divers still go down after pearls in the waters off the island where the valuable gems have been found since **Christopher Columbus'** day. **Columbus** was said to have brought his patron **Queen Isabella** a fabulous necklace of pearls from this island.

**POMPANO BEACH, FLORIDA**—**Rowland N. Robinson** and his son **Donald C. B. Robinson**, former member of the **Worcester (Mass.) Frogmen's Club** and past president of the **Northeast Council of Skin Diving Clubs**, who were believed to be aboard a pleasure cruiser which exploded and sank off **Pompano Beach** have not been found.

**G.I. CHOW HALLS**—**Army** cooks claim their **G.I.** diners go for unusual dishes—filet of octopi, octopusburgers and even left over octopus. One mess sergeant gets his supply of fresh octopus by skin diving.

**TWEED HEADS, AUSTRALIA**—Spearfisherman **Ben Cropp** of **Tweed Heads** landed his fifth record with the spearing of a 62½ pound **Sampson** fish in the waters of **Cudgen Reef**. **Ben's** tally of five record size fish is three higher than held by any other spearfisherman. While chasing his record fish, two forty foot whales glided past the diver.

**MUSKEGON, MICHIGAN**—Skin divers in **Wolf lake** have pioneered a new method of fishing, "see 'em and catch 'em." All that's needed—an inner tube, ice fishing rod and underwater mask (fins help in maneuvering). The technique is simple. The angler lies across the inner tube, face down, mask on. He eases himself along over the fishing grounds, spots the fish he wants, then maneuvers his baited line down to the fish with a short ice fishing rod.

**MONTAUK, L.I., N.Y.**—An attempt to locate a wrecked tanker off **Block Island** by **Peter R. Gimbel** and **Carleton Ray** was called off when the search was hampered by half dozen 50-foot whales, bad weather and navigational chart difficulties. The pair had set out to find the wreck of the **Lugburne** which sunk in 1939 to photograph and gather information and material for a "wreck tank" at the aquarium at **Coney Island**.

**NEW FAIRFIELD, CONNECTICUT**—Skin divers recovered the body of **Richard Todter**, 14, of **Flushing, N.Y.**, who drowned in **Lake Candlewood** recently after falling out of an outboard motor boat.

**FLORIDA**—Skin diving ability has proven a valuable research tool for scientists. **Dr. Walter Auffenberg**, a **University of Florida** biologist, has used his diving ability to bring up fossils from depths to 85 feet. Finds from some underwater discoveries date back through the **Pleistocene** age or about one million years ago.

**PLATTSBURG, NEW YORK**—The bodies of five **Air Force** men killed in the fiery crash of their huge **KC97** tanker plane in **Lake Champlain** have been recovered by skin divers.

**LANSING, MICHIGAN**—Officials of the state council of skin divers were to meet the last of August with **Fred A. Westerman**, chief of the conservation department fish division, and **T. E. Tucker**, in charge of law enforcement, to discuss present fishing restrictions as they apply to skin divers and to discuss ideas for possible new legislation which would more clearly define their fishing privileges.

**SKIN DIVER**—The **Dipper**, or water ouzel, a tiny bird living high in the western mountains trots along underwater searching for insects on stream beds and comes up only occasionally for air.

**FT. PIERCE, FLORIDA**—Enforcement of **St. Lucie County's** law against underwater spearfishing should be more effective with the recent passage of a local act in the 1957 legislature, according to **Bob Pfister**, agent with the **State Board of Conservation**. The law clearly defines the areas which are open and closed to spearfishing and is more definite about equipment and its use. **Pfister** said he interprets the law as leaving the ocean reefs open to spearfishing.

**BUFFALO, NEW YORK**—A series of ten demonstrations on water safety, featuring the correct use of skin diving equipment, rescue techniques and water safety lessons, has been conducted in two city pools under the sponsorship of the **Erie County Sheriff's Department** and **The Buffalo Evening News**.

**MINNESOTA**—Skin diving popularity is increasing in this state. Especially interested in the sport are historians because of explorations in lakes and rivers which have yielded valuable artifacts of the state's interesting past. Skin diving activities have opened up great possibilities for reconstructing, through artifacts, much of pioneer life thus far almost untouched.



**BUD ABERNATHY** aboard the "Maray" at Catalina Island clobbered this 51 pound Yellowtail, after a hectic battle the fish was brought on the boat. Photo by Mart Toggweiler.

**JOHN UZAR**, manager of the "Florida Frogman" in Miami, was inspired by a May rainstorm and proceeded into the street with the below living advertisement for passing motorists.



**HERB SAMPSON** has landed another big one at Catalina. The Black Sea Bass weighed 215 pounds and was speared with the Sampson triple sling gun and powerhead. Christy Sampson is standing in to admire the fish.

**ED BROWN**, President of the Coraliers Club, brings in a 4 foot Dogfish shark from Jones Beach, Long Island, New York.



**BETTY BARRIERE** down 65 feet off Catalina is the subject for camera members of the Hollywood Underwater Club.



**Please...**

# NO COACHING FROM THE SURFACE!

By AL TILLMAN

In San Luis Obispo, California, skin divers are a rare breed. A few brave individualists battle cold water and limited visibility to pluck the multitude of sea treasures the local coast has to offer. Bob Thomsen, a coach and physical educator in the town, is one of these divers. He is also playing an important role in path finding skin diving in the schools. **SKIN DIVING WORKSHOP**

Each year during August hordes of men and women coaches from high schools and colleges throughout the Pacific states areas trek to the Coaches Workshop at Cal Poly, a state agricultural college in San Luis Obispo. The weather is hot, the air is clear and they are sprayed with a mist of knowledge during the various periods of the three week workshop. They learn the latest football, baseball, and major sport methods from the top coaches in the land. **SKIN DIVING** was a special added feature at the 1957 session.

The **SKIN DIVING** Workshop staff consisting of Don St. Hill, Los Angeles County's Chief Diving Officer; Forest Dawn, representing U.S. Divers Company; Bob Peddycord, representing W. J. Voit Company; and the author representing Los Angeles State College, were kept on a busy 14 hour a day schedule teaching, counseling, and diving.

What does all this mean to practicing skin divers? Bob Thomsen has expressed the situation rather well: "Our town provides excellent recreation activities for the citizens and they participate because they know how... they learned in school for the most part. I used to like being one of the few divers in this area because the dozens of miles of choice diving spots were like a personal possession.

Unfortunately, some of the beach



Coach coaches Coach under water on proper procedure for donning underwater apparatus at Skin Diving Workshop for Coaches.

front owners have been feeling the same way and "No Trespassing" signs and fences are a common blight on the landscape. There aren't enough divers here to do anything about this so we're trying to create more interest.

Our greatest success has been with the high school group, but strictly as an extra-curricular activity. *We need skin diving instruction in the school program.*

Throughout the United States, divers are realizing that valuable off-shore playgrounds can be retained for use only through the inspired appeal of many enthusiasts. Possession of the skills in a given sport create an interest and enthusiasm for its support. Diving must depend on safe and satisfied divers if the field is to grow. Such safety and satisfaction is the result of training and where else should such training properly be given but in the schools.

Wouldn't you have been somewhat excited to have selected "SKIN DIVING" as an elective class in high school or as formal part of your Physical Education training? Many young college students are recognizing diving as a professional tool to utilize in pursuing their academic majors i.e. archeology, biology, geology, physical education, chemistry, history, art and even psychology. Certainly here's a medium offering a whole new challenge of perspectives, colors, phobias, and illumination on long hidden historical facts.

While varying efforts are being made throughout the country, a positive, progressive, and successful step toward the curriculum introduction of **SKIN DIVING** has been made with impact at the Cal Poly Workshop.

In the Cal Poly Pool, we witnessed a big round face emerge sputtering from the water, a mask scaled there on, and

close by two hands gesticulating excitedly.

"It works" the big face said like it had just struck gold.

What worked was the big face (belonging to a rugged football coach) had cleared the mask of water while submerged. It was typical of the enlightening surprises that cropped up as some 40 physical educators donned fins, mask, and snorkel, many for the first time. Three days in the pool with skin diving, a little SCUBA exposure, and then a practice dip in nearby Morro Bay provided some real converts to the underwater way of doing things.

## **SUCCESS IN SIGHT**

The schools are tradition-bound but educators with burning interests help shape those traditions. The many coaches who exposed themselves to the training offered at the Cal Poly Workshop are carrying an infectious enthusiasm back to their various schools. This enthusiasm was born out of actually doing-it-themselves down below with **NO COACHING FROM THE SURFACE!**

The schools of this country must look progressively to the unlimited academic and physically satisfying benefits of this glamorous new curriculum consideration, skin diving. It is our job as practicing divers with an eye to unrestricted participation in the future to follow up opportunities to inspire the men and women of physical education. The possibility of **SKIN DIVING** classes in the schools of America is now a visible reality.

Information on programming the type of workshop covered in this article may be secured by writing **UNDERWATER RECREATION, LOS ANGELES STATE COLLEGE, 855 N. Vermont, Los Angeles, California, ATTN: Al Tillman.**





Winners and trophies at the San Diego Summer Dive. Ron Church Photograph.

## SAN DIEGO COUNCIL SUMMER DIVE

By John Luhnnow

Jim Jordon, Al Larson and Frank Lienhaupel of the Addicts came in first at the annual summer dive held at the Casa de Manana Cove in La Jolla from 7 to 11 a.m. on August 11.

Thanks to Don Vinn of the City of San Diego Parks and Recreation Department for the use of the Casa Cove.

A second team entered by the Addicts, Ron Church, Bob Shea and Bill Howard, placed second at the meet. Third place went to Joe Groton, Bill Keller and Mike Carnohan of the La Jolla Skinners and fourth place to the San Diego Sea Dogs team, Carl Mohr, John Luhnnow and Fred Wagner.

We of the San Diego Council and a vast majority of the local divers feel that too many divers in meets spear "baby" fish. There are game laws to protect the fish as there are for deer and birds. It doesn't seem very sporting to bring in thirty or forty three-quarter pound perch. You might win the meet but look at the fish that have been wasted. For example: there are ten teams in the water. Ten teams of three men equal thirty divers. Thirty divers

get fifteen fish each. Total "baby" fish killed: 450. That is a lot of fish that could grow larger. That is why in San Diego we have imposed this rule: No more than three fish per diver and/or nine fish per team will be weighed in. We feel that under this rule if you shoot three  $\frac{3}{4}$  pound opal eye you are not going to shoot ten more. Most divers will look for the BIG ones. Under our rule ten teams equal thirty divers. Each diver gets six fish (only the three largest being weighed in). Six fish times thirty divers equals 180 fish. Subtract 180 from the 450 fish, answer: 270 "baby" fish saved for the next meet.

There are two new clubs in the Council. They are the San Diego Kelptomaniacs (a junior club) and the Tortavas from La Jolla. This boosts the membership up to thirteen clubs.

Diver Mike Carnohan, La Jolla Skinners and treasurer of the Council, caught a green turtle by hand. Thirty pounds of turtle soup for Mike. Carl Mohr, Sea Dogs, got a 39 pound white sea bass.

There has been a change of address for the secretary of the Council. New address is John F. Luhnnow, 5112 West Point Loma Blvd., San Diego 7, AC 2-4461.

## Book Review . . .

### EASY STEPS TO SAFE SWIMMING

By Evelyn Ditton McAllister

A new, concise and easy to understand handbook on swimming is now available to beginners. **EASY STEPS TO SAFE SWIMMING** by Evelyn Ditton McAllister offers invaluable advice to the novice.

The 60-page handbook for swimmers outlines the necessary steps for learning the beginner's crawl ("dog paddle"), side stroke, elementary back and back sculling strokes, breast and butterfly breast strokes, trudgen and trudgen crawl, the American crawl, racing back crawl and elementary diving.

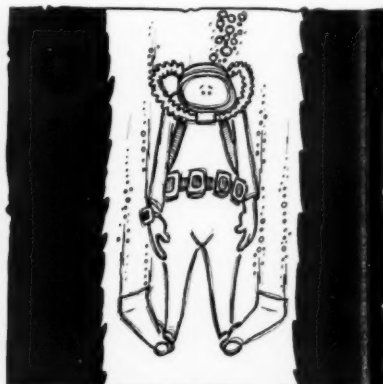
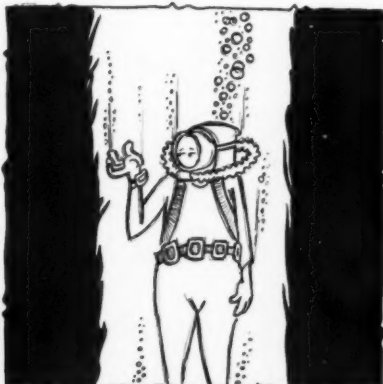
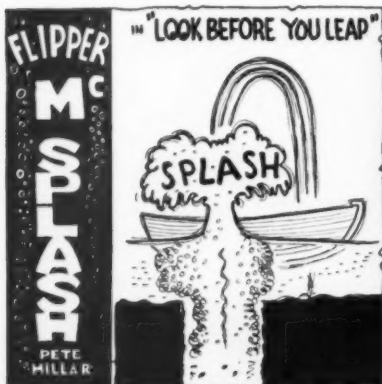
Also how to tread water and good rules for deep water swimming are described by the author. One chapter is devoted to safety practices and rules.

Sketches showing "how-to" make the understanding of each stroke easier for the beginning swimmer.

Gordon Scott Little, head coach of swimming at Cornell University, Ithaca, N. Y., writes of **EASY STEPS TO SAFE SWIMMING**. "Your brief compendium of the American Red Cross text **SWIMMING AND DIVING AND LIFE SAVING AND WATER SAFETY** might have some value in the fields you mention. Its very briefness recommends it. I believe that people are more likely to pursue brief exposition and diagrams to their end than to study completely a long text. This certainly would have application in the field of learning to swim."

The author, a physical education graduate of Cortland State Teachers' College, has taught swimming in various camps, public schools, Y.W.C.A.'s and on various beaches for the past five years. She has also held life guard positions.

Published by Artcraft Press, Cortland, N. Y., the handbook price is \$1.30 postpaid.



# ELEMENTARY MOLLUSCAN GLOSSARY

By JOHN Q. BURCH

Orthodox English is accepted as our medium of communication, but the language of science may seem at times to approach a foreign tongue. Students of all branches have their own terminology, and hundreds of words and phrases have a particular meaning to them. Conchology, the study of mollusks, is no exception.

Skin divers who wish to increase the pleasure of their sport by collecting shells, will find a study of a glossary of first importance. Otherwise, it will be impossible for the expert to call attention to the shell characters that distinguish the rare species from others.

The information offered in this brief article may suffice until the diver joins the ranks of more advanced students. There are a number of excellent publications available to the specialist. Among these may be mentioned the Illustrated Key to West North American Pelecypod Genera by Keen and Frizzell, Illustrated Key to West North American Gastropod Genera by Keen and Pearson, Illustrated Glossary of Terms Used in the Study of Pelecypoda by Beatrice L. and Thomas A. Burch, and Illustrated Glossary of Gastropoda, Scaphopoda, Amphineura by Beatrice LaRue Burch.

**Anterior End**—The last formed part of the shell. The head end.

**Aperture**—The opening through which the animal emerges from the shell.

**Apex**—The summit of the shell. The initial portion.

**Axial**—Parallel to the axis of coiling.

**Base**—The lower part of the body whorl of gastropods.

**Boss**—Coarse, short nodule.

**Canal**—Descending groove in the aperture of a univalve shell.

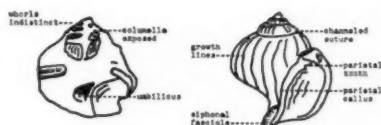
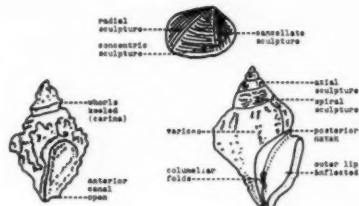
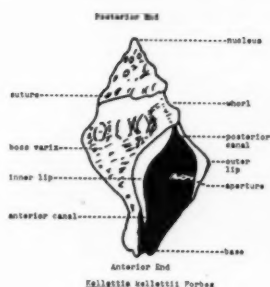
**Carinate**—With a sharp keel or edge.

**Ciliated**—Cilia are fine hairs.

**Columella**—The pillar formed by the junction of the inner walls of the whorls of a spiral shell.

**Concentric**—Parallel to the ventral margin in bivalves.

**Coronated**—Crowned with spines encircling the whorls.



**Crenulated**—Scalloped at the margin; saw-toothed.

**Dextral**—Aperture on the right side of the axis.

**Dorsal margin**—The umbonal region of a bivalve shell.

**Edentate**—Toothless.

**Fasciole**—A band or twist at the end of the pillar in shells that have an anterior notch or canal.

**Foramen**—Hole, as in a keyhole limpet.

**Fusiform**—Bulging in the middle and tapering to each end.

**Imperforate**—Without an umbilicus.

**Inflected**—Margin turned inward.

**Keel**—A projecting ridge on the periphery of a whorl.

**Labrum**—Exterior side of the aperture in univalves.

**Lamina**—A thin plate.

**Ligament**—A band of elastic fibre which unites the two valves of a bivalve shell.

**Lirate**—Sharp raised threads.

**Margined**—Edge or border thicker than the rest of the shell.

**Maculated**—Spotted.

**Multivalve**—Composed of many valves or pieces as in chitons.

**Nodose**—With knobbed ribs.

**Nodule**—Knob like projection.

**Nucleus**—First formed portion.

**Operculum**—A shelly or horny door.

**Orbicular**—Round and flat.

**Pallial line**—A linear depression connecting the adductor muscle scars in bivalve shells.

**Pallial sinus**—A curved embayment in the pallial line.

**Parietal callus**—A thickening of the inner lip in gastropods.

**Patelliform**—Shaped like a saucer.

**Pelagic**—Inhabiting water far off shore.

**Periostracum**—A horny covering on the exterior of the shell; called the epidermis by some.

**Periphery**—The greatest circumference of the shell.

**Pillar**—The columella.

**Plaits**—Folds.

**Pustulate**—With wart like projections on the surface.

**Pyriform**—Pear shaped.

**Rugose**—Wrinkled or creased.

**Reticulate**—Net-work like.

**Rostrate**—Produced into a beak.

**Septum**—A deck. A small diaphragm.

**Sinistral**—Aperture on the left side of the axis.

**Spire**—The univalve shell exclusive of the last whorl.

**Squamose**—Scaly.

**Subulate**—Awl shaped.

**Sulcate**—Furrowed with wide grooves.

**Suture**—The seam between whorls of a gastropod.

**Teeth**—In bivalves they are projections from the dorsal margin of one or both valves which engage corresponding sockets from the opposite valve.

**Tumid**—Swollen, inflated.

**Turbinite**—Top shaped.

**Turreted**—Elongate, with upper whorls angulated.

**Umbilicus**—The hollow formed in spiral shells when the inner side of the volutions do not join each other so the axis is hollow.

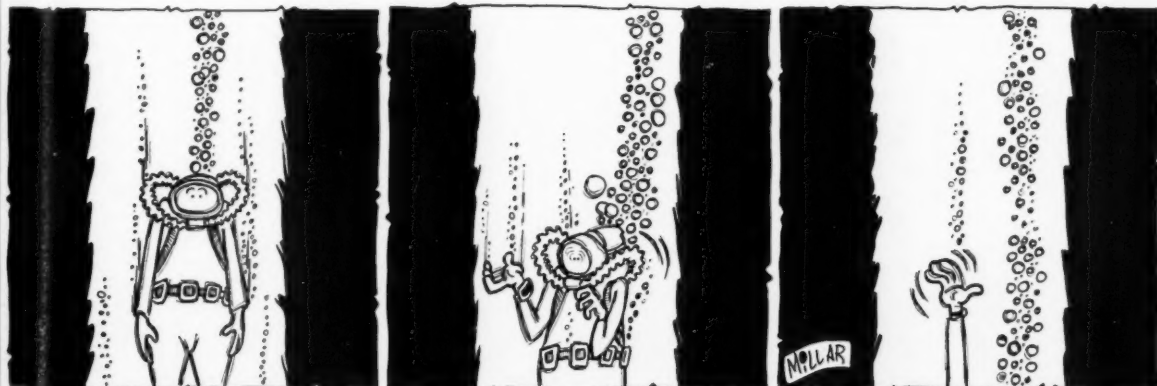
**Umbone**—Lateral prominence above the hinge and beak in bivalves.

**Varices**—Prominent raised ribs on univalve shells, corresponding to rest periods and periodic thickenings of the lip.

**Ventral margin**—The margin opposite to the dorsal or beak region in bivalves.

**Ventricose**—Swollen.

**Whorl**—A complete revolution around the axis of a gastropod.





Nimrod Camper, as pictured, is one of the Grand Prizes to be awarded contestants in the Southern Open Tournament.

## FLORIDA SKIN DIVERS ASSOCIATION

By JOHN M. ERVING, Jr.  
P. O. Box 7373  
Orlando, Florida

PASADENA GOLF CLUB, St. Petersburg, Florida: Here on the sun-drenched patio of the swimming pool we are watching an activity that is probably happening at every country club swimming pool, and all others for that matter, throughout the United States. Namely: The next generation of 'frog-men' and skin divers in the making. More than 30 youngsters varying from 3 to 13 years in age are perfecting their underwater prowess under the able direction of Pete and Dale Stevens, 11 and 13 year old 'senior' members of this sub-juvenile crew of aquatics.

It is a revelation to find that at Pasadena skin diving is encouraged among the younger set, rather than 'legislated' against by some hysterical and uninformed opponents of this vicious new national pastime.

As most of you know, Florida is the one great state of the 48 where skin-diving has become a major tourist industry. From Pensacola to Key West, specialists in some particular form of diving activity have established successful business enterprises to cater to this new class of sportsmen. Restaurants, motels, and package-deal travel tours may be found most anywhere in Florida except where our stalwart legislators in Tallahassee have seen fit, for reasons known only to them, to restrict or ban underwater activity in certain areas.

The supposed advantages of banning spearfishing in the upper Keys, for instance, have backfired. The motel operators that once filled their rooms with spear-toting guests, now find them empty; the charter boatmen who once carried parties of divers to nearby waters now relax at their docks. Bulldozed into

thinking that thousands of tons of fish were being destroyed by these sporting predators, they now realize that it wasn't the fish that were destroyed, it was their off-season summer business. In spite of their original opposition to us, we will welcome them back on our side of the fence to help us return to them, and ourselves, the use of these fabulous fishing grounds in Florida's Upper Keys. Nuf Sed.

Although the FIRST ANNUAL SOUTHERN OPEN SKIN DIVING TOURNAMENT is still more than a week off at this writing, registrations are coming in at an exceptionally good clip and more than 350 divers are expected to compete.

Tournament chairman Richard Taylor in Miami reports that all details have been taken care of, and states that for the first time in the history a major event will have an ocean going barge as the parent ship.

One of two GRAND PRIZES to be awarded is a NIMROD Camper Trailer. This spectacular presentation was donated by the NIMROD Equipment Corporation of Cincinnati, Ohio. One of the special features of this portable vacation home is that it can easily be hauled to some of the more remote but spectacular diving areas with many of the comforts of home. Sleeping four adults, this compact unit has a special boat attachment which will carry up to a 250 pound boat conveniently on top. This prize will be awarded by drawing and any FSDA member who competes in the tournament is eligible to win.

Stan and Hannah Griffin, owners of

the famous WALKER CAY CLUB on Walker Cay in the Bahamas, will play host to another tournament winner and his wife for a four day all expense paid week-end at this south Atlantic spear fishing and skin diving paradise.

The Florida Skin Divers' Association Inc. salutes Bert and Ruth Harman for their efforts in helping to make the Southern Open the success we expect it to be. The Harman's, proprietors of the magnificent El Sombrero Motel at 17th and Collins Avenue in Miami Beach, have literally jumped in and gotten wet all over. Not only have they turned over to FSDA all the many attractions at the El Sombrero, but they have labored many hours to line up the fashion show, pool water show, and have handled all reservations for divers coming to Miami for the meet.

We don't like to keep SCREAMING about it, boys and girls, but we ask that you not forget that the Florida Skin Divers' Association Inc. is the only organization in the entire world who is working to preserve and further your sport in Florida. If you are a diver and a resident of Florida, it behooves you to support your state association. If you are an out-of-state diver who vacations here in Florida, it behooves you, too, to join the FSDA. Independent dues are \$5.00 per year for which you will receive our monthly publication newsletter, tournament privileges, and otherwise be informed of what's going on here in the great and sovereign Sunshine State of Florida. Mail your check or money order to FSDA, Inc., P.O. Box 7373, Orlando, Florida.



# NORTHEAST NOTES

By B. W. LUTHER, JR.

Northeast Council of Skin Diving Clubs,  
P. O. Box 225, Fairhaven, Mass.



The Semi-Panic Frogmen's Club of Middleboro is one of the newest clubs to explore the waters in and around



Brad Luther

Cape Cod. The underwater anglers whom is easily satisfied at any number of interesting spots on Cape Cod. From the State Pier, the Bourne Breakwater and the Sagamore Jetty located at the East and West entrances spearfishermen will find excellent prey. The U.S. Army Engineers wish to inform skin divers that diving within the Canal is strictly prohibited. Using CO2 spearguns the Middleboro group are taking tautog weighing 7 to 11 lbs. each. Pollock, Rock bass, Flounder and Sharks may be found in these waters also.

A break into the Ro-Lu Aqua Shop, Fairhaven, Mass., netted thieves \$250.00 in underwater equipment. A Scuba tank bearing Serial #13578 was one of the items stolen and air refilling stations in the Northeast area are requested to be on the lookout for it. A reward has been posted.

James P. Horsfield of Fall River, a Massachusetts State lifeguard stationed at Horseneck Beach, Westport, will try to break the underwater swimming record. James, a 23 year old skin diver with a background of commercial diving, will have his chance at the distance record which will be conducted in Newport Harbor, R. I. It is understood that the present distance record is held by a girl who achieved an underwater swim record of seven miles. James has high hopes of making a 10 mile jaunt before he is forced to quit. Stand-by divers who will supply James with fresh tanks are Alton Pacheco and Robert McDermott of Fall River, Mass., and John Gartner of Pawtucket, R. I. Jim estimates the trip will take about six hours in depths ranging from 10 to 25 feet. Due to extensive Naval installations in and around Newport Harbor, arrangements are being completed with the Navy and Secret Service. This attempt will be

the first time an East Coast diver has tried to break this particular record.

August 4th, one year after the sinking of the Italian Luxury liner Andrea Doria 70 miles southwest of Nantucket, Peter Gimbel of New York and Ramsey Parks of Los Angeles again descended to the "Andrea Doria" to secure underwater photographs of the interior of the sunken craft. Leaving Nantucket Island July 31st aboard the "Carl Henry" skippered by Capt. Rolf Sjolund, Gimbel and Parks with the aid of the fathometer and loran signals located the spot where the queen of the Italian fleet met her tragic end in a collision with the Swedish liner "Stockholm". Beneath the surface, 215 feet, Gimbel and Parks roamed the deck but on their first decent failed to get inside. The second attempt, by the pair, almost ended in disaster. After completing their mission they ascended from the wreckage to the 25 ft. level for decompression. They had stopped at this level for only a few minutes when Gimbel noticed a large shark 20 ft. away and coming directly at him. Flapping his arms Gimbel failed to frighten the fish away. A brief but hectic battle occurred between Gimbel and the shark with Gimbel's only weapon, a knife. Signaling the surface the pair was hastily hauled aboard the fishing vessel leaving themselves open for a possible attack of the bends. Gimbel later told newspapermen "He came so close to me the second time I didn't have to stick out very far with my knife. He was only a few inches away headed right for me. I stabbed him in the nose and he went down." Gimbel and Parks failed to tell the skipper or the crew whether they successfully achieved interior shots of the liner. Upon their return to Nantucket, Mr. and Mrs. Gimbel and Mr. Parks flew directly to New York with their films.

On Wednesday, July 24th, the New England Diver's Frogmen Club held a lobster cook-out at Salem Coast Guard Air Station, Salem, Mass. Clubs from Lawrence, Lowell and Boston were invited. Eighty-five frogmen attended the cook-out and devoured 200 lobsters.

Responsible for catching these tasty creatures were Jim Cahill, Dick McCleaver, Dick Rousseau and Dick Miers. It is necessary in Massachusetts to possess a county license for skin divers to take lobster. The four divers only had a short distance, of about 100 yards from their club house, to swim before they were in "lobster territory". Later, after an enjoyable feast, the frogmen were entertained by underwater movies. These interesting underwater shots were shown by Ray Martin of the Boston group. The Lawrence Club was lead by Bob Savoie, Tom Murphy and Roy Bergman. A former WWII Underwater Demolition Man. George Thomson, lead the Lowell Club.

In this area, shooting film has become a favorite sport for Scuba divers this summer. One fan of this sport is Willie Le Favor of Lynn, Mass. Le Favor has recently made an underwater movie and has some very interesting shots. He has many pictures of the "Chelsea", a tanker which sank off of Rockport, Mass. last winter, which has since become an interesting sightseeing trip for the skin diver.

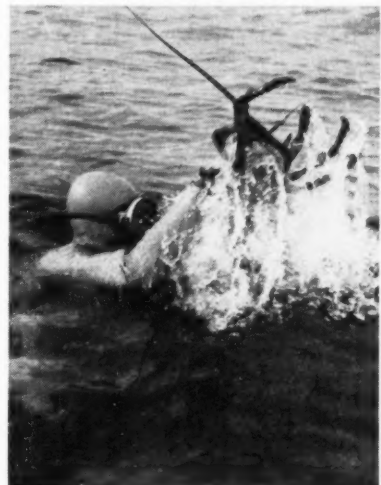


Photo by Ron Church

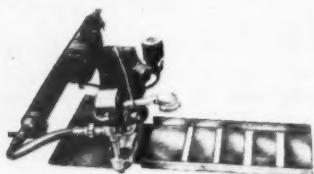
## CALIFORNIA LOBSTER SEASON OPENS

A reminder to California skin divers that the lobster season officially opens October 1. A \$3 license is required. Leave the females with eggs alone. No spears allowed. Extract from the California Department of Fish and Game Digest 1957 is as follows:

Lobsters: October 1 to March 15. Daily bag limit: 10. Size limit: none under 3 1/4 inches measured in straight line from rear edge of eye sockets to rear edge of body shell in front of flexible tail. Must be brought to shore in such condition that size may be determined. Lobster traps prohibited in Districts 19A, 19B, 21 and that portion of District 20 on northerly side of Catalina Island."



**AQUA-GAGE TELLS HOW DEEP, HOW COLD**—This new scientific device permits divers to determine easily and quickly the exact depths of lakes, rivers, etc. to 80 feet, temperatures 32° to 100° F. Aqua-Gage is simply dropped on a line into the water. As it sinks, a certain amount of water is forced into the calibrated barrel by the water pressure at any given depth. The Aqua-Gage then is raised to the surface, and the depth and temperature readings taken. Pocket size—just 5" long, weighs one ounce. Made of durable, rust-proof materials that will last indefinitely. Price—\$2.95 postpaid, from Aqua-Gage, Box 133S, Cincinnati 13, Ohio.



**POWERMITE PORTABLE DREDGE**—This little machine consists of a lightweight four cycle air cooled engine driving a synthetic rubber lined pump highly resistant to sand or other abrasive material, a separator which retains large gravel or nuggets but permits finer particles to pass through the pump and onto a non-magnetic stainless steel sluice with four or more effective riffles, fine gold is retained on the pan. You can work in three inches or a hundred feet of water effectively with this machine. Price, \$270.00 from Powermite Drill and Tool Co., 1610 1/4 North Highland Avenue, Hollywood, Calif.



**M.V.'s FOR EVERYONE!** M.V.'s are a sensational, new, high potency Multi Vitamineral product recommended for sportsmen, athletes, health and body building. Excellent for underwater sportsmen, professional athletes and all who work under stress conditions, including those who need a daily dietary supplement to aid in correcting or in helping to prevent nutritional deficiencies. M.V.'s contain high potency concentrations of 18 vitamins and minerals for which the need in human nutrition has been established, as well as 16 additional food factors whose exact role in human nutrition has not yet been defined. Price, \$6.95. Distributed by:—Healthways, Los Angeles, California.

## NEW PRODUCTS



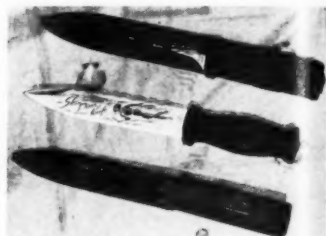
**FALCON UNDERWATER SPEAR**—Here is a new principle in gas propelled spearguns. Operates on the rocket effect with gas powering the shaft after it leaves the barrel, giving greater distance, and accuracy and flatter trajectory. The Falcon features: a rifle-pistol combination; multiple shots from each cartridge; and a non-corroding finish harder than chrome. Is lightweight and well balanced. Price—\$49.95 from: DOLPHIN ENTERPRISES, 9642 East Artesia, Bellflower, California.



**AQUATABS FOR DIVERS!** AQUATABS are an amazing new nutritional supplement developed to help reduce fatigue, increase endurance and resistance to cold, and aid in minimizing the stress of continuous activity while diving. A "natural" for underwater sportsmen, underwater photographers, professional and salvage divers. Effective for all types of sports in protecting against dangerous deficiencies which can result in muscular exhaustion, nervous strain, depletion of vital reserves, and sometimes infection or injury to tissues. Price, \$3.95. Distributed by:—Healthways, Los Angeles, California.



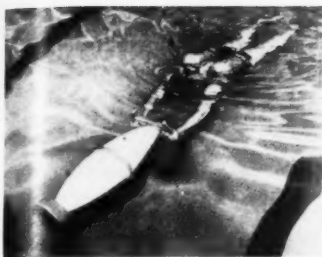
**ABUNDAVITA FOR ORGANIC POWER**—Many of the top sport personalities in the world have felt the need for more endurance, reduction of fatigue and resistance to cold. This product fills that need, for it has all the vitamins and minerals known to be essential to human nutrition. Abundavita contains a combination and balance of Fortified Organic and Natural Vitamins and Minerals. Abundavita today is the leading food supplement company in the world in volume sales and the price is designed so everyone can afford it. To insure the lack of dietary deficiencies let's play safe by taking ABUNDAVITA. Contact: BOB PROWELL, 2800 Chestnut Ave., Long Beach, Calif.



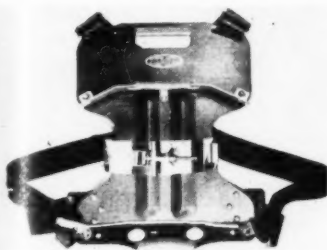
**ROBESON SKIN DIVER'S KNIFE**—Sabre ground two edged high carbon stainless steel. One side of the blade has a wavy edge. Blade silver etched "Skin Diver Knife" with picture of diver with aqua lung, web feet and Diver's Knife. Red handle for quick underwater identification. Heavy molded red rubber with variegations for easy-grip. Red handle. Molded, light weight green plastic sheath. The end of the sheath goes over the butt to hold the knife in the sheath. Price \$8.00 from Robeson Cutlery Co., Inc., Perry, New York.



**YOUR IDENTIFIER PASSCASE - BILL FOLD** is water resistant! Get the seat of your pants wet—and your credit cards will stay dry—also your money. Your Identifier is made from durable vinyl plastic—has 11 view windows and features a full bill pocket. And imprinted in gleaming gold is The Skin Diver's Buddy, Flipper McSplash himself. Flipper is in an action pose—loaded for bear. acuda. Sent tax and postpaid ONLY \$1.00. Plain style (Without Flipper) same price. Included, Gold Signature Strip, Personalize it with your signature. Fraternal Suppliers, 150 Sweetbriar, Palmdale, California.



**VERSATILE UNDERWATER POWER DIVER FEATURES RCI POLYLITE SHELL**—Hunting for ancient, sunken, ruins, exploring ocean depths for new worlds of life and beauty, or just lazing about beneath the surface for the fun of it—all these things are facilitated by the Link Aeronautical Corporation's Power Diver. With an amazingly strong body shell of reinforced Polylite Polyester resin supplied by Reichhold Chemicals, Inc. the device is easily steered by slight movements of the aluminum bar which the diver, pictured here, holds. Propeller, driven by six or twelve-volt battery, is mounted forward. REICHHOLD CHEMICALS, INC.



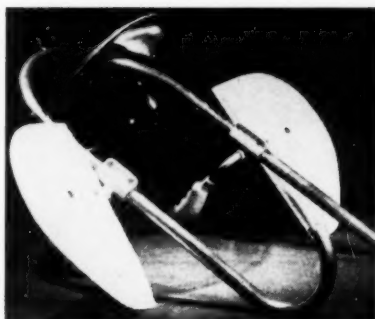
**HEALTHWAYS AQUA PAK CARRIER FOR SCUBAS**—Underwater safety carrier for self-contained underwater breathing apparatus. New improved 1957 model. After 3½ years of continued exhaustive development, research and testing the new 1957 Aqua Pak has arrived. The Aqua Pak carrier has been engineered by experts to give maximum utility, comfort and performance. It is designed to accommodate all standard single or double tank units. The single Aqua Pak carrier can be made into a two-tank carrier in a jiffy with the Aqua Pak double tank attachment. Price, \$39.95. Distributed by:—Healthways, Los Angeles, California.



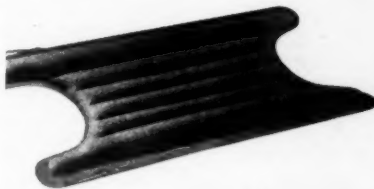
**TREASURE MAP**—This Treasure Map shows the approximate location of \$500,000,000 in buried and sunken treasure. This data has been accumulated from U.S. Government records on buried and sunken treasure and other leading books on this subject. Magnificently designed by G.W. Youngblood after extensive research. Lithographed in FULL COLOR on heavy duty PARCHMENT stock. Wall Size—22½ x 29½—Ready for wall display. Only \$1.00 postpaid from: Lord George, Ltd., 1270 Broadway, New York 1, N. Y.

#### ODDS N' ENDS

This new column in "Skin Diver" will contain do-it-yourself items, safety devices, gadgets, etc., developed by divers for better diving. The Odds N' Ends featured here every month might not apply to your particular type of diving but we are sure many of them will prove helpful to the majority. Send your pet invention Odds N' Ends, we will have Mr. Millar do the finished art work and then publish your idea in this column at the first opportunity. There are several ideas in the files for this column but these will soon be used and we will need more. The idea man for each subject used in this column will receive a one year subscription to "Skin Diver."



**THE PELDIVER** is the new extremely maneuverable, high performing tow sled that adds a whole new thrill and experience to the sport of skin diving. Quality in workmanship and material is stressed in the manufacturing of each Peldiver, with all metal parts being corrosion resistant. The handles and control fins are made of a high impact plastic material which is inert to salt water. The Peldiver is approximately 34" in length and weighs less than five pounds. It is manufactured by Pel Engineering Company of Compton, California and is being distributed by Munson Sporting Goods Company, 1125 Azusa Canyon Road, West Covina, California, priced at \$29.95 retail.



**HEALTHWAYS "SEA HORSE" SKIN DIVER'S FLOAT**—The exclusive "Sea Horse" design provides the skin diver with a floating base for all his equipment, and a comfortable float! New design allows efficient use of swimming fins and at the same time permits diver to see underwater! The "Sea Horse" is 30" wide x 68" long . . . color, Royal blue and red. Has 22 gromets through which a high test polyethylene rope is attached. The "Sea Horse" is sturdy enough to be towed by a boat with diver and full equipment aboard! Price, \$22.50. Distributed by:—Healthways, Los Angeles, California.

## ODDS 'N ENDS

by pete millar

### UNDER WATER FLYING

thanks to Frank Fribley



#### UNDERWATER FLYING

by Frank Fribley

Flying along doing rolls, dives, and turning upside-down; the gentle tug at your mouthpiece and mask; the sensation you get; all this is part of what I call "Underwater flying".

The first time I ever saw an underwater sled was in a movie. They were using it to hunt for a treasure in the clear waters off Florida. It was a complicated one with a plane-like joystick, three fins in the front and a rudder in the back. It seemed like so much fun that I started to work on one, not as complex a product as the one used in the movie but merely a piece of wood 1"x12" three feet long with two nails in the ends and a rope for a yoke in the front. On this simplified version I could not do all the things done in the movie, but it gave me my first taste of "underwater flying".

A few years later when I became more serious about skin diving and joined a club, a friend of mine made a sled were he worked. It was quite similar to the one used in the movie but it lacked a windshield and a rudder. It was about six feet long and three feet wide.

There is nothing quite like gliding along, with the almost inaudible hum of the boat motor, watching the bottom pass under you, and constantly doing a roll.

As in the movie, the sled does not have to be used only for pleasure. It can be used also for things like seaching and movie taking.

The first time we used my friend's sled we saw about ten anchors ranging from a sailing ship's weighing about a ton to a new one weighing about a hundred pounds.

If you wish to enjoy this kind of excitement all you need is a motor (5 or 7½ hp. will do for the smaller sled), and a boat (even a rowboat will do). One of the most important things is a good, strong rope to use for a towrope running from the boat to the yoke on the sled.

No matter what kind of sled you use, you will never experience more fun than "Underwater Flying".



# DRIFTWOOD



Hello, you fabulous people. The Best Diving Gal contest is down the tubes. After waiting two months for letters and pictures to arrive, and since nothing showed up, I guess the entire idea is best forgotten. Provocative little blonde Christy Donaldson sent a photo of herself and a catch (in this issue), but I'm not going to send her the prize money since she had no competition for it. Nobody's gonna say kohler is unfairly partial to toothsome blondes. This month's mail was a pretty intriguing cross-section of — well, give a look . . .

There has been quite a lot of discussion as to whether or not you are a diver. You must be a diver; that's the only excuse you have for your literary behavior: bubbles in the brain. This is caused by sneezing while using Scuba, while chasing Grouper in the bathtub.

WALTER ORCHARD  
Hamilton, Ontario, Canada

*Yeh, but you should seen the one that got away down the drain.*

Could you give me some information on how to get all of the air out of a Dry Suit? I would appreciate it.

JIM PARNELL  
Garden Grove, Calif.

*Well, you could use a Fairbanks-Morse pump if everything else fails, I suppose.*

In reply to Shirley Mae Halverson's love note to you (July issue): she says you are dreamy, but I think you are asleep half the time.

JOHN CAHILL  
Boston, Mass.

*You're both right.*

I have read every one of your Driftwood articles and really get a kick out of them. I don't see what keeps you from cussing out some of your readers that write you.

MRS. HERMAN NEWMAN  
Triumph, La.

*Oh, I cuss a little now and then to myself.*

I feel the same way as Nancy Hucyah. I turn to the Driftwood page first, then I go back and read the interesting pages of the Skin Diver Magazine.

GEORGE PERSIG  
Onehama, Mich.

*You do, er. Cheez — what a fan!*

Man, I dig you — but deep. I always said "diving under" is similar to being "way out", but I didn't realize how many other cats knew it, too. It's just the old young-in-heart scene again, nest-paw, dad? On the other side of the kick, though, why don't you whoop up some sort of sign so we can recognize each other, underwater? What a ball that'd be!

SHERWOOD PALMER  
Brooklyn 17, N. Y.

*Yeh, we're the Real People, all right. A special sign? Well, how about built-in shades in our masks, man?*

Brother, you think you're so clever! I'm a writer and I happen to know about half of the letters in each Driftwood are plain old plants, put there to give the page sparkle it couldn't possibly achieve otherwise! Come on, confess. Isn't this what you've been doing?

ANN PHILLIPS GARNER  
San Antonio, Texas

*Naturally. You don't think, for one minute, real flesh and blood people would tarnish their good names by actually writing in letters?*



I was taken by complete surprise when I leafed through the pages of the August Skin Diver and discovered that picture of myself emerging from the surf with that horrible little menpachi I supposedly speared — but which was actually purchased at a local market by the photographer. (smile) A year and a half ago I entered the world of aqualungs and deep water. I started diving about 2½ years ago — learning to dive without help (the boys over here just laughed at me) and I have a nasty scar on my leg to remind me of it. The biggest thing I've ever caught (and held by myself) was a 120-pound turtle. I have no pictures of it, but I do have the shell up on my wall. The deepest I've been is 225-feet and I don't think I would do it again. A deep dive like that is thrilling, but I prefer our usual diving depths: between 70 and 130 feet. It's great sport, eh, wot?

CHRISTY DONALDSON  
Honolulu, Hawaii

*It certainly is, honey. After studying the color-photo of yourself, you sent, I can only assume those Hawaiian cats who refused to teach you diving must either be blind or members of The Tippy Toe Set. You sound like quite a girl.*

## INSTANT PEN PALS CORNER . . .

JACK THOMAS 16  
21738 Fairway  
Detroit 41, Michigan

WILLEM VAN HEERDEN 21  
7, Benmore Mansions  
84 Cellier Street  
Sunnyside, Pretoria,  
South Africa

TERRY KUHN 14  
726 South Armstrong  
Kokomo, Indiana

MARIE GLUMAC 14  
1984 Esplanade  
Chico, California

ROB McCLONE 19  
3223 College Street  
Jacksonville, Florida

RICARDO MANDOJANA  
Zabala 2520  
Buenos Aires, Argentina

## DEPARTMENT OF PRO & CON . . .

I don't understand why you stopped drawing the McSplash cartoon, but it surely has improved since Pete Millar took it over. Why don't you get him to teach you how to draw?

MARY ELLEN HINES  
Philadelphia, Penn.

*He refused me, on the grounds that it requires talent.*

Glad to know you're going to stay with us. Say, old boy, how come you knocked off drawing Flipper McSplash? The old strip ain't the same without you.

NICK MURRAY  
Winnetka Beach Bolsheviks  
Winnetka, Illinois

*I bet you tell that to all the has-beens.*



I would like to know why in heck you're not drawing the Flipper McSplash cartoon anymore? (Maybe it's too much work?) The enclosed photo is me about to enter the boat after a dip in Lake Elizabeth. Why don't you give a few intelligent answers, now and then, so us divers will know you're not an idiot?

GEORGE EVANS  
Detroit 41,  
Michigan

*To answer your question: Millar is the better cartoonist, and who has ever denied being simple-minded?*

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eth. Why

I'm a Pete Millar fan. I'm awfully happy to see his work appearing in *Skin Diver*. He draws many other cartoon features, for other important magazines, and I don't think there's another cartoonist as clever, anywhere.

MAE MILLAR  
Torrance, California

*It figures.*  
kohlernote: For those who may be interested in knowing—Cartoonist Millar is a sturdy chap who agreed to continue *Flipper* after I requested that another inkslinger be found to do it, since I was running out of ideas. And time. His unique style appears in a good many national magazines and the "*Skin Diver*" was lucky to get him for the job.

## AND OUT TO DEEP WATER AGAIN . . .

I know you will give a nutty reply but I'm depending upon your readers for a sensible answer. My question is . . .

DONALD CONNELLY  
Miami, Florida

Okay—write to my readers.

Each time I manage to beg, borrow, steal or scrounge up 35c, my thumb automatically finds its way to your crazy, mixed up page. Furthermore, when gazing upon this fine work of literature, I find you are screaming for pictures. Well, sir, here is one of our Scuba Testing Department. The young lady is my sister, Charlene Grube.



RONALD J. GRUBE  
Secretary, Long Island  
Frogmen  
North Baldwin, N. Y.

She's a real doll, all right—but whenever you hear me screaming for pictures, you can assume I'm yauaping for clear photos of a slightly more alluring age-group.

This aura of octopus-ink which has been flowing freely from the pen of Dennison the Menace seems to be smudging your otherwise amusing column. Tell me, honestly, is she suffering from raptures of the depths?

KENNITH HARTLEY  
North Hollywood, Calif.

Well, Ken, from the way it sounds from here—she probably never gets that close to the water. Have a squint at her latest blast below.

I asked a psychologist friend about you and showed him several copies of *Driftwood*. His opinion is, you have one whooping inferiority complex and are constantly attacking your poor, stupid readers to compensate for your feelings of inadequacy. I sure pity you, Kohler. The sadness of it all, is, you probably believe *Driftwood* is great.

THELMA DENNISON  
Tarpon Springs, Florida

Yes, honey, as a matter of fact, I do consider *Driftwood* as a rather choice page. But, tell us—does your psychologist friend think you'll pass the next staff meeting and be found eligible for *Out Patient*?



I'm 10 years old and I like "*Skin Diver*" very much. It's the best magazine I have ever read. I wish that the people who continue to write those awful things about you would cut it out and keep it that way.

ROBERT LOEW  
Yuba City, Calif.

Thanks, Bob. You guys, out there, hear my buddy? Cut it out and keep it that way.

Is there a legal limit on sea anenome?

CHUCK GILLETTE  
Albany 6, Californ'

Here we go again . . .



MISS LILLIAN KEMBLE, an outstanding example of the species "Mermaid," has been elected Skin Diving Commissioner of the Northrop Knights, a club at the Hawthorne, California, Northrop Aircraft plant. Lillian was a member of the winning team at the first Women's Underwater Spearfishing Championship held at Laguna Beach, California. She invites you to join her club as an associate club member. The line forms to the right.

I recently had occasion to test a "waterproof" watch, a "waterproof" flashlight and a "waterproof" photographic exposure meter. Discovered that Philodendronomides' Law still applies. This law, as you'll remember from your High School courses in Thaumaturgy 1A and 1B, states: "A mechanism inherently incapable of functioning properly underwater will not be rendered one bit more submersible by the attachment of a label or escrutcheon with the words "waterproof" engraved thereon. It's really a shame. If this principle worked, we could label a coca-cola bottle "Aqua-Lung 900 cu. ft. Tank" and really have a ball. Too bad the manufacturers don't get wise that something more than a label is needed to make an item "waterproof". The exposure meter leaked at 9-feet, in 3-minutes!

JOHN H. CONE  
Pasadena, California

John, you'll just have to stop shopping for bargains among the cheaper makes and models.

I would very much like to inquire if you, or any of your readers, really consider spearfishing—using a Scuba and a high-powered speargun—anything remotely resembling a sport. I've been a skin diver for over 15 years and I've never used anything more powerful than a hand-spear nor any other air supply than what my own lungs will hold. Frankly, I believe today's skin diving has finally succumbed to the same absurd level as over-powered cars—with about as much real worth, intrinsically.

ARTHUR N. KRUEGER  
Tampa, Florida

Since I've stopped trying to hit anything with a speargun and am little more than a sightseer-type diver these days, I'll leave it to *Driftwood* readers to answer you.

Where would you prefer to do your diving if you had a world-wide choice of location? And how long have you been diving kohler?

KAREN RUTH GLASSER  
Savannah, Georgia

Tahiti. About 18 years now, honey.

. . . and it's full-flip-ahead as we churn back again to the beach and the coffee pot. Sure will be anticipating the next batch of letters and pictures. If you're a newcomer, please feel free to join the hassle. You don't have to be particularly intelligent, well informed, unbiased or even happy; just come as you are—nobody'll notice one more neurotic in a chaotic mob of colorful individuals. Take my word for it. Okay, meet me, here, behind the pilings, next month?

kohler of course

and cho

er, 1957

*No reason to be a Guinea Pig when you can . . . . .*

# HAVE A SOUNDER DIET

By BOB PROWELL

Conditioning and training has been of prime concern to coaches, trainers, doctors, and to the athlete for many years. Methods of coaching and conditioning of athletes have improved greatly every year and will continue to do so, as long as man's mind functions. A long list of impressive products have been ingested by man for many years and some of these products certainly have done the athlete as well as the non-athlete a varying degree of good. Being a physiologist and therefore having a greater concern for the physical effects on the body and not psychological effects, my associates and I began to study every paper obtainable to find the products which were considered the best for the conditioning and training of athletes.

With the aid of Clipper Smith a well known former Notre Dame great whose experience in the football game for 30 years as a coach was extremely helpful. Clipper's knowledge of the athletic personnel brought us in close contact with many people in the field. Clipper was a former head coach at three of our leading colleges as well as being associated with the Los Angeles Rams Pro Football Club. We talked to hundreds of people in the field about any product they had used as an aid to help them to perform at a higher degree of efficiency in relationship to speed, endurance, well being, neuro-muscular control and pulse rate. We wanted to know more about the secrets of organic power.

Our studies carried us into metabo-

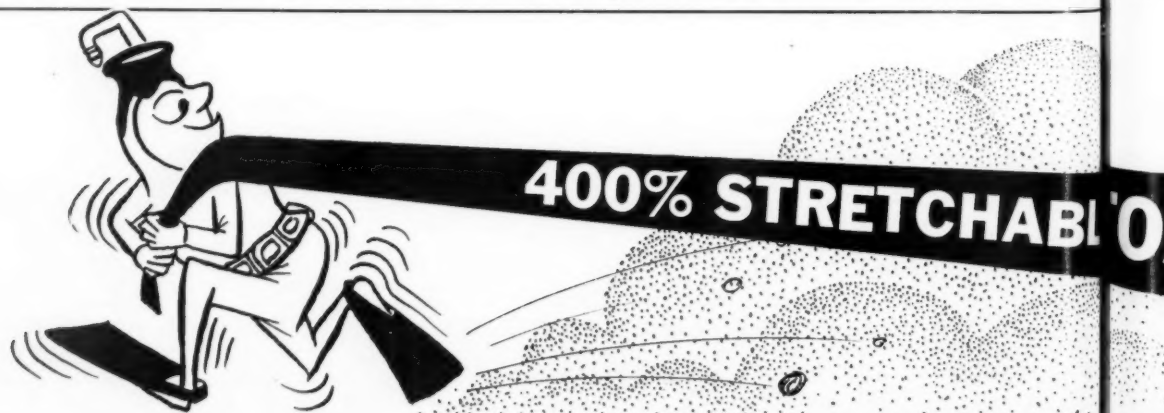
lism which is the sum total of the chemical changes going on in the living organism, the fuel of muscular exercise, recovery after exercise in regards to the oxygen debt, vital capacity of lungs and the heart. Our studies carried us into the composition of blood, the size and strength of the muscle fiber as the result of training.

No attempt will be made here to discuss methods of physical training. We are interested only in the physiological mechanism by which an individual is able to increase his ability to perform various muscular exercise. The fact that practice enables a person to perform a given exercise more efficiently, and for longer periods of time, really needs no illustration. In strenuous muscular exercise the body may use from 15 to 20 times as much oxygen as it requires when in a resting state. The body temperature may rise to 104 degrees Fahrenheit, as a direct result of the heat produced by muscular exertion. The heart in a strong healthy man is capable of pumping 28 liters of blood every minute during the height of the exercise, and may develop energy at the rate of half a horsepower per minute. The readily available food reserves in the body are very rapidly used up during vigorous muscular work.

When we refer to vigorous sports we include one of the most strenuous which is diving, should we not then begin to think that this energy for strenuous exercises must come from the food in which we eat? The food ingested into our bodies daily provides what we call nutrition. Nutrition is the process of

providing the body with the materials it needs to produce heat and energy, build and repair tissues, and to regulate the body processes. The basic nutrients which are just necessary for the body to perform its vital functions are the carbohydrates (sugars and starches), proteins, fats, vitamins, minerals and water. Foods contain other substances which, although not absolutely essential, play a useful part in the nutrition because they improve the taste of food and therefore increase the flow of digestive juices. These accessory foods include flavors, condiments, and stimulants.

Many great and former great athletes claimed this product or that one aided their ability to perform at a higher degree of efficiency. I talked to the only man to ever hold three world championships in boxing at the same time, perpetual motion himself, Henry Armstrong. He told me that he had tried many products and found that gelatine, a high protein food, was the best of the products he had used at that time. I could put down a very impressive list of people who are in contact with the sports world who take a supplement of one kind or another, space will not permit me to list all of them so I will only list a few: Track and Field stars Parry O'Brien, George Rhoden, and Meredith Gordien; Head Coaches, Moose Meyers, Jack Curtis, Jim Tatum, Don Clark, and Jim Verdeick. All these men mentioned above are on one of the top quality, properly balanced food supplements of vitamins and minerals. We found that three





products kept repeating themselves every time we talked to anyone connected with the sports world. This seemed to add that little something that separates the champion from the athlete.

In compiling all of our data we came up with three main products which we feel are necessary to all people to gain that little extra, better health, more endurance, more enthusiasm and organic power. Our conclusions also showed that athletes are more conscious of health and generally eat a better balanced diet although since they use a great deal more energy in their particular sport they definitely need these products as well as the non-athlete. These three main products should be taken along with our regular diet and therefore function as a food supplement.

The research in this field proved to us we had the three products which we felt were essential. These products are a high protein product, a completely and properly balanced vitamin and mineral product and a specially processed solvent extracted wheat germ oil.

Tests have proven that man's endurance has improved up to 51 percent by taking wheat germ oil. The case of one of the top swimmers in the country, George Breen, Cortland State Teacher's College. His endurance was always good, but he never had enough for the last quarter of his race. Six weeks after starting on this product he won the National AAU 1500 meter race. His coach felt that much of his success was due to the wheat germ oil.

I could tell of whole teams on this product, but probably the one team that stands out most in my mind is the Australian swim team in the 1956 Olympics. They had been taking wheat germ oil for six months previously and the results they made are a matter of record.

Clipper Smith in thumbing through his recollections can vividly recall one of the late Knute Rockne's friendly admonitions to his cohorts. When he detected bumptiousness (fat headedness) nopping up, "Remember, at best, you

fellows are nothing but small pinches of chemicals." This timely warning carried pith and point as Rockne was a widely respected professor of chemistry on the Notre Dame faculty. Most of us Remember Rockne as one of the greatest football coaches of all time as well as Dean of American Coaches.

Yes, Rockne's statement is true. "We are nothing more than a small pinch of chemicals", but we should all agree that the arrangement and percentages are the all important factors to consider in order that we can maintain that balance in our bodies.

Most all diets are known to be lacking in vitamins and minerals. Protein and wheat germ oil, we know, is essential to nutrition. This lack can take place because of improper cooking methods, eating foods which were stored over a long period of time, improper selection of foods, poor dietary habits, menus which are unbalanced and processing and refining of foods.

The reasons for this research are two fold. The Abundavita Corporation has many of the top sport personalities in the world distributing our products, so it's no wonder we are concerned about adding that little extra organic power. Second, we wanted to add what we considered the best training packet available.

To introduce this training packet for the first time, we will be glad to work with organizations, if they will carry on an experiment and forward the results to me. If interested, write Bob Prowell, 2800 Chestnut Ave., Long Beach, California. I will be glad to send the information to you.

Experiment to conduct with the training packet, tests should be made at the beginning, then every 30 days following, up to 90 days. (a) Sitting pulse rate per minute; (b) Running in place pulse rate per minute; (c) Number of push-ups; (d) Breath holding test; and (e) Time required to swim 200 yards. No effort should be made to practice between monthly tests.

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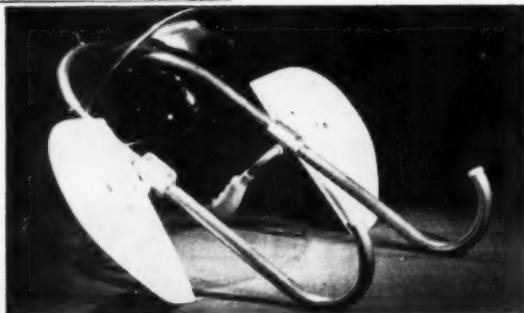


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### TEXANS TREK

(Continued from Page 19)

to produce a sanitary shell. The deeper into Mexico we went, the rawer the soft-boiled eggs. By the time I reached Acapulco, I had developed a taste for warm raw eggs with chili sauce! We decided it was not so much the food, but the different way it was prepared, that affected the system.

By the third day, Jack was on his feet again, and ready for some snorkeling. He did not use his lung. For 25 pesos we rented surf-boards, and decided we would paddle across the bay to the island. Loading our gear on the narrow boards we started out. The water was alive with jellyfish, and there was little we could do to avoid them. They washed onto our surf-boards and stung our legs. We pulled our surf-boards up on the beach of the island, and went over to buy a coconut full of milk.

Refreshed, we were ready for a dive. We towed our boards out and climbed on. Jack was in trouble and Manual went back to assist him. Just when he least expected it, a breaker set Manual's board to pitching. He grabbed his lung with one hand and the spear-gun with the other hand. Manual strained to steady his craft. Unshaken by this mass upheaval, Manual collected his gear and reorganized himself.

Finally under way, we selected a spot and put on our lungs. I tied the surf-boards together with nylon line, and attached the loose end to my belt. We found the bottom here rocky and covered with barnacles. Again we found groupers. These too were skillful and never allowed us to get close enough for a good shot. A few barracuda nosed around and looked us over. They went on their way, when they were satisfied what we were. Giant manta rays fluttered over our heads. Tiny fish no bigger than a dime, peered into our face masks. Small fish of all kinds swarmed around us. There was no point in spearing anything, as ice in Mexico is a luxury, and we had no way of taking them home with us. We did think about taking along some star fish, but changed out mind. They smelled terrible.

As time ran out we began to feel very sorry that we had to leave this underwater menagerie. We had come many miserable miles to an aquatic fairyland. The big ones had eluded us, and the small fish were too pretty and innocent to spear. Although nothing spectacular had happened, we were not disappointed. We were wiser for the experience. The next trip will be better. Now we know where to go, and what to expect.

## INFORMATION FREE

By ARNOLD E. HAGEN

The following sources of free and inexpensive materials are made available to the readers of **SKIN DIVER MAGAZINE** as a convenient service in obtaining worthwhile information concerning underwater swimming activities and other related topics. Underwater swimming enthusiasts will find many of the listed items of extreme interest and value. We hope that this information will be both helpful and informative. Send requests or contact the addresses listed below. Each source represented in the column reserves the right to withdraw its offer whenever it sees fit.

Civic organizations, government agencies and industrial firms are encouraged to submit material for consideration for use in this column. Send material to Information Free c/o Box 128, Lynwood, California.

Color photographs and fact sheets of California fish—

- (1) The Black Crappie
- (2) The Bluegill
- (3) Channel Catfish
- (4) Yellow Bullhead
- (5) Largemouth Black Bass
- (6) The Smallmouth Black Bass
- (7) The Golden Trout
- (8) Sacramento Perch
- (9) Striped Bass
- (10) Black Bullhead
- (11) The Green Sunfish
- (12) King Salmon
- (13) The Sardine

Department of Fish and Game, Conservation Education section, Sacramento, California.

**MARINE INSTITUTE EDUCATIONAL KIT**—The material in this kit includes pamphlets on basic maritime history; a series of drawings outlining the evolution of the American ship; the story of the development of

the tanker as an important merchant vessel; the story of Robert Fulton's Clermont the first successful commercial steamboat, and an analysis of the American products consumed in building and operating American vessels. American Merchant Marine Institute, Inc., 11 Broadway, New York 4, N.Y.

**AMERICAN LEGION FILMS**—Send for this free film catalog listing and describing more than 140 films that are wholesome and entertaining in nature. Excellent source of films for schools, churches and civic organizations.

Public Relations Division, the American Legion, P.O. Box 1055, Indianapolis 6, Indiana.

**LET'S TOUR THE PORT OF LOS ANGELES**—This 20 page booklet gives up-to-date information concerning the municipal fish wharf and markets, public warehouses, marine exchange, cargo ships, outer harbor, Los Angeles Yacht Club, main channel, Terminal Island District, stowage of vessels, graveyard of ships and many other interesting items concerning the Port of Los Angeles.

Harbor Department, Public Relations Department, Room 1300—City Hall, Los Angeles 12, Calif.

**WATER IN INDUSTRY**—A survey of water use in industry. Contents include highlights of the survey and a general description of the problem. The findings of the survey, divided into national and regional categories, treat such aspects as sources of water, uses and re-uses of water, potentialities for expansion of water use and control of water pollution. Charts and tables. 48 pages.

**PATENTS, PROGRESS AND PROSPERITY**—Explains in non-technical language what United States patents are, why they are granted, and the benefits they bring. An-

swers some of the most common questions about patents and their place in our modern competitive system. 24 pages.

Education Department, National Association of Manufacturers, 2 East 48th Street, New York 17, N.Y.

**CANADA VACATIONS UNLIMITED**—A 48 page travel booklet that is loaded with beautiful photographs, drawings, maps, etc. Also included are excellent articles on water sports, sport fishing, national parks, vacation highways and all of the provinces of this country.

**HIGHWAY MAP OF CANADA AND NORTHERN UNITED STATES**—This large colorful map is a must to anyone planning a trip to this region or to anyone interested in the geography of this area.

Canadian Government Travel Bureau, Ottawa, Canada.

**ANNUAL REPORT—THE PORT AUTHORITY**—This 76 page book will give you up-to-date facts concerning air terminals, marine terminals, tunnels and bridges, port development, administration, etc. concerning the Port of New York Authority. Excellent photographs, maps and illustrations.

**NEW YORK HARBOR TERMINALS MAP**—A large map of the World's Greatest Port. Showing New York harbor and terminals.

**THE PORT OF NEW YORK**—A 40 page book that shows how the present and future of the Port of New York are of vital concern not only to the 13,000,000 people who live and work within the port area but also to the nation and the world at large. Excellent photographs, maps and illustrations.

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SKIN DIVER—October, 1957

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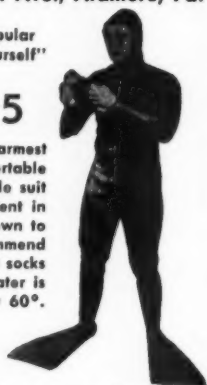
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# CLUB NEWS

Pages 42 through 49

Baltimore, Maryland . . .

## CHESAPEAKE MARINERS

By Eddie Carson

I would like to introduce our club, the Chesapeake Mariners, to the readers of SKIN DIVER. We have been in existence for about two years and have 25 active members. We meet every second Wednesday at the Y.M.C.A. at 8:30 p.m.

Our main interest is diving, but we also do our best to aid our city or state whenever possible. We are called upon by the local police department whenever underwater rescue or recovery is needed. At the present time we are engaged in the survey of six quarries for the county. We believe by doing what little we can, it will help bring to the public eye the many good points of skin and scuba diving.

It is still illegal to spear fish in Maryland, but we hope in time this law will be changed. We would like to hear from other clubs and exchange ideas and possibly arrange combined dives.

For further information contact Eddie Carson, 2615 Taney Rd., Baltimore 9, Md., LI 2-0412. ➤

Halifax, Nova Scotia, Canada . . .  
**HALIFAX FREE DIVERS**

By Donald Chiasson

This marks the first report to "Skin Diver" by the Halifax Free Divers. We were first organized about a year ago. Our present membership is roughly thirty-five. The club officers include Ken Hughes, Andy Comeau, Doug Grant, Gerry Doyle, and yours truly.

Since most of the members own suits, a trip is held almost every week-end. A favorite pastime is hauling up scrap copper from a wreck we know of. At the present rate, we're losing more on gas than we make on copper (lungs aren't usually used), but it's fun.

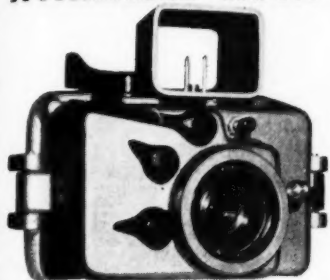
To gain new members, we have tried to get as much publicity as possible. Included are four write-ups with pictures in the local paper, an interview on the city's TV station and an interview with two of the lady members on the radio. All the preceding was arranged by Ken Hughes. New members are always welcome. For information, they should call Ken Hughes, 35 Kent St., phone 2-3455 or me at 4-0518.

For any individuals or groups who may wish to contact the club our address is: Halifax Free Divers, c/o Donald Chiasson, 38 Ralph Devlin Dr., Halifax, Nova Scotia, Canada. ➤

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Rockford, Illinois . . .

### GREATER ROCKFORD LUNG DIVERS, INC.

By Jack Egler

The August meeting was held at the club's quarry on North Main street road. A lease agreement was completed between the farmer who owns the quarry and our club. A gate was erected early one Saturday morning by Werner Raap, Dick Conner, and Jack Egler. Ed Thorne, Bill Collins and Jack Egler dived in Lake Waubesa to recover an outboard motor on July 4th. Jack found it before Bill and Ed were out of the boat. They went in anyway to see how it looked underwater.

Our president, Carl Hauber, in letters to the City Police Department, Sheriff's Department, Civil Defense, and the Red Cross offered the clubs services on a standby basis for diving, water sports safety, salvage, and instruction. Letters of confirmation and appreciation were received very soon afterwards from the various civil organizations. The newspapers printed an article elaborating on the letter and called the clubs gesture as being very community minded.

Many members have found Devils Lake, Wisconsin, an ideal place to dive. No spearfishing is permitted and that hurts because of the large fish seen by the divers. The water is clear and cold. ➤

Redwood City, Calif. . . .

### FATHOM PHANTOMS

By Ron Rochefort

Our club recently reorganized upon the return of some of our members who had served with the armed forces. We now have nineteen active members. The new officers are Duane Lange and Linda Steele.

We have had a few club dives behind us now. Our most notable dive was in the Fort Bragg area where we took several nice rockfish and everyone took his limit of abalone. An overnight camping dive was also made in the Carmel-Monterey area. One of the highlights of that trip was a feast of crab supplied by our divers.

We are now considering buying a 26 ft. boat which we plan to use to reach otherwise inaccessible diving grounds. ➤

Stoneham, Mass. . . .

### BAY STATE AQUA CLUB

By Gerald Comeau

During the past summer we have successfully initiated our "Skin Diver's Training Program". This program is designed primarily to instruct the beginner in how to conduct himself in the water for maximum safety protection.

On August 21st, we held our "Skin Diver's Open House" at the Melrose Fish & Game Club. The program included movies, skin diving equipment display, discussions on the sport, and refreshments.

An invitation was extended to this club by Brad Luther, President of the Fairhaven Whalers Skin Diving Club to inspect a four stack Destroyer sunk off Westport, Mass. which was found by Mr. Luther's club. We are making arrangements for this trip, and if successful, a full report shall be included in the January issue.

Mr. Edward McColgan was elected to the position of Club Business Representative. Eldon Livingston left for the Army in September.

All salt water diving meets for the past summer were held at "40 Steps" Nahant, Mass. Out of ten (10) meets held here, only two meets were unsuccessful due to the extreme cold temperature of the water. ➤

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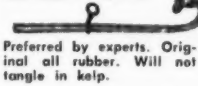
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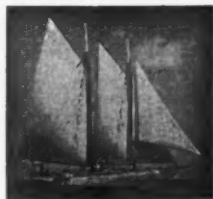
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EVERYTHING IN SKINDIVING EQUIPMENT—WRITE FOR LITERATURE

## Moody Air Force Base, Valdosta, Georgia ... 'MOODY AQUAGATORS'

By Robert Walker  
The 'Moody Aquagators' announce the formation of their Skin Diving Club at Moody Air Force Base, Valdosta, Georgia.

Since our formation in August we have already completed an excursion to the promising waters of the Gulf.

Our new club boasts some considerably experienced members who have been skin diving in numerous parts of the globe and we expect to have regular news about the Southeast Gulf and Atlantic Areas, including the Bahamas and Key West.

## Tampa, Fla. ... THE REEF ROVERS

By Bill Shonyo  
To tell the story briefly, preliminary organization of this Scuba club was undertaken at MacDill Air Force Base in the Tampa-St. Petersburg, Florida area in early July.

Thirty one enthusiasts appeared for the first meeting, giving organizers a hopeful outlook. During following meetings, membership grew until the roll currently stands at 60 plus.

Sparking the clubs inception were several experienced divers with experience throughout the world. Elected president was James B. Valla, who gained his first experience with the "South Sea Searchers" club on Guam.

Ex-members of the same club currently working for the Reef Rovers are Frank Piascik and Joe Morgan. Both are leaders of the training committee.

Members of the board of governors include Ray Stansel and Joe West, both accomplished divers in the local area and other

parts of the U.S. and at various overseas service clubs.

We are concisioned sport fishing here is above average. A pair of the consistent pros of the club have landed a 75 lb jewfish, and just last week lost two estimated over 300 lbs. They use Meyer spring guns equipped with Penn reels, detachable spearheads and 1/16 inch 750 lb. cable.

## Newport Beach, California ... WHALERS NEWPORT BEACH

By Joe Armfield  
We are just a few months old but feel we have come a long way as we have already entered a team in the SPAAU eliminations this year. Our roll call, including wives, adds to 14 members at this time with James McLain, Alvin Caples and yours truly as officers.

The past few months have seen the Whalers at many spots including Catalina Island, Laguna, Corona del Mar and other points up and down the coast.

Members James McLain and John Sanders recently helped authorities in the finding of a 16 year old boy who drowned off the Newport Jetty. An experience they don't wish to repeat unless necessary.

Your reporter spent two weeks diving in the cold, cold waters of Northern California and Southern Oregon with members of the Humboldt Skin Divers. Wow! Those giant red abs.

Persons interested in the club and in joining may contact Jim McLain at Hoskins' Water Sports, 1220 West Coast Highway, Newport Beach, California. Wives and girl friends welcome.

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Hollywood, Calif. . . .

## HOLLYWOOD UNDERWATER CLUB

By Marlene Weston

The club is really getting organized—chart-er drawn up and elections have been held. Pat O'Malley, who runs the "Scuba" diving boat, came to a meeting to give us a talk and ran a wonderful Italian spearfishing film, shown in this country only four times.

Five of us took off on the "Scuba" to Catalina Island where visibility was 100 ft. and more in some spots. Not many large fish taken, but it was a glorious day for photographers and members collecting for their salt water aquariums. ➤

Milwaukee, Wis. . . .

## DEVILS OF THE DEEP

By Tom Peters

On August 3rd, the "Devils of the Deep," which at this outing consisted of six fellows, two from Milwaukee, two from Green Bay, and two from Rockford, Ill., journeyed to Ephraim, Wis., where we found diving conditions excellent in Lake Michigan.

We went out to a place near the horse-shoe islands in our two rented 16 foot aluminum power boats. Our main purpose this trip was to find the propeller of an outboard motor that someone lost. Our mission however, degenerated into a crab chasing underwater race. Needless to say we did not accomplish our mission.

The bottom of the lake was a type of hard clay surface with no seaweed to contend with. All in all we had a wonderful time, as the visibility, air temperature and the crab chasing spree added up to a real good time.

Incidentally anybody in the Wisconsin area that would be interested in joining our club, please contact Everett Foster at the following address: 165 N. 67th, Milwaukee, Wis. ➤

Hartford, Conn. . . .

## CONNECTICUT SEA DEVILS

The month of July saw the Sea Devils at their busiest. The spearfishing team traveled to Rhode Island, Long Island, and their own Connecticut shores for both contest and practice. The Connecticut Council of Diving Clubs had a three man team from our club and one from the Associated Skin Divers, also from Connecticut, flown to Montauk Point on July 21 to compete in the East Coast championships. These two teams won the privilege of representing Connecticut by topping three other teams in the AAU tournament which was held off Wicopasset Island on July 7th. The New York Blackfish won the tournament. The Connecticut Sea Devils had a pleasant flight home.

The club's demonstration team, headed by Jim Jacobs, has also covered much territory. They have brought "the facts of diving" to many men and women, both young and old. Shows have been presented at the Institute of Living in Hartford, Conn., two camps in the vicinity, and at the Annual Lions Club outing in Suffield, Conn. Good work, boys. ➤

West Hollywood, Florida . . .

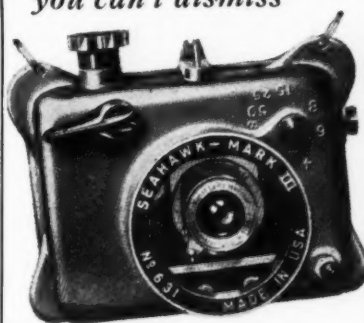
## FLORIDA SKIN DIVERS

By Denis Day

Skin diving in Hollywood has been exceptionally good this summer. Fish of many varieties are always abundant, usually ranging from two to ten lbs. We have encountered one sand shark while lobster hunting. He weighed approximately twenty pounds and was about 3½ ft. in length. We have sighted other sharks from a distance.

The lobster season opened officially on August 1st and we brought in 25 weighing 1 to 2½ lbs. Temperature of the water is usually around 85 degrees. Anyone wishing to accompany us on our dives may contact us at Hollywood 3-3177. ➤

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Catasauqua, Penna. . . .

## KEYSTONE AQUA VENTURERS

By L. Paul Goodin

May this article serve to introduce the Keystone Aqua Venturers to the readers of Skin Diver Magazine. The Club was organized in 1956 by Charles Guldner, and since then has drawn a total membership of thirty divers from Allentown and Easton, Penn., and Phillipsburg, New Jersey.

The majority of the club have taken the Y.M.C.A. instructors' course in Scuba Diving, and we have incorporated into our club constitution strict diver qualification tests that classify the diver. This classification ensures the club of a diving membership qualified to handle any diving exercise from salvage and rescue work to fishing.

We are extremely fortunate that the surrounding countryside abounds with many clear deep mine holes of sufficient depth to allow every diver much experience in diving to depths in excess of 100 ft. We schedule ocean spearfishing trips every other weekend, and aside from an occasional case of sea sickness we all have an enjoyable time. ➤  
**Pawtucket, Rhode Island . . .**

## RHODE ISLAND UNDERWATER SPEARFISHING CLUB

By A. W. Pipes

We held a family picnic in September and as usual at these affairs everyone had a nice time. We are all looking forward to the next one.

Brad Luther of the Fairhaven Whalers invited the club down to Westport Mass. for a dive on a sunken destroyer but due to inclement weather and rough seas we were not able to dive, several members are going again for another try.

At our last meeting it was agreed to hold a club diving trip and have started work on planning our annual Banquet to be held in Oct. ➤

Ashiya, Japan . . .

## KYUSHU SENSUIFU SKIN DIVERS' CLUB

By S/Sgt Don Ames

This is the last report to the S. D. by yours truly, for in due time I will be reporting back to the states to a new assignment, leaving spearfishing behind till future years. To go from the East and West coast of the U.S., the Azores and Japan I couldn't have asked for better spearfishing country, but now to Montana. Don't get me wrong, Montana, I'm not running your state down, it is just that it is a long way from salt water.

The K.S.S.D.s' are stable now with the completion of the new Club House and a sum of money granted to us by the Base. We are now what you would call PERMANENT PARTY at Ashiya Air Base.

To the members I'm leaving behind, I would like to state there is not a better group of people. Through thick and thin they stuck it out and stayed together and made the Club what it is today. I sincerely wish that in the months to come, the Club will be as I feel it is now, something to be proud of and part of.

To the newly elected officers, Kennedy, Steffens, and Collins, I leave with the thought that the Club could not be in better hands, and what future reports I read about concerning the Club will be of the best. ➤

Hartford, Connecticut . . .

## ASSOCIATED SKIN DIVERS

By Paul D. Schmanks

The three top men and five of the first ten men in the Connecticut Council's 1957 spearfishing championship are members of Hartford's Associated Skin Divers. Bob Strubell finished in first place as the individual champion with Cliff Johnson second and Kenny Ledoux third. Ted Strubell finished in sixth place and Al Boyer was in a three-way tie for ninth place.

The individual championship involved three meets—at Stonington Breakwater, Norwalk and Wicopesset Island, near Fishers Island, N. Y.

Under Connecticut Council rules, spearfishermen are limited to four fish per meet so the accent is on the bigger fish. Bob Strubell started slowly, with only four points at Stonington and four more at Norwalk. However, at Wicopesset Island, he came in with 38 points.

Cliff Johnson was blanked at Stonington, missed the Norwalk event, but finished in a tie for first place with Bob at Wicopesset. Ledoux, who was shut out at Stonington, picked up his points at Norwalk and Wicopesset. Ted Strubell got his points at Norwalk and Wicopesset. Boyer gained his at Stonington. ➤

Torrington, Connecticut . . .

## NORWESCON SKIN DIVERS

By Jack Hricko

The Norwescon club has spent a very active summer and early fall carrying through its programs of demonstrations in water safety, the recovery of drowned persons, and a very successful club day at Lake Candlewood. We are helping to pay for our new compressor through the sale of air to any interested divers. Since ours is the only compressor in Litchfield County, demand has been heavy. Four new members are now in the process of completing our new training program which consists of complete mastery of basic equipment and scuba.

One fall highlight will be a demonstration of equipment and techniques at the University of Connecticut this month. This is only one of a series through which we are carrying through the basic aim of our club—safety in the water and the training of skin divers. ➤

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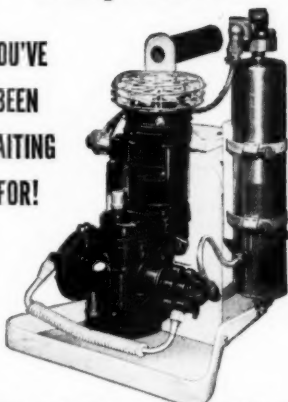
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Toledo, Ohio . . .

### TOLEDO SUB-MARINERS

By Don E. Lea, Sr.

Recently our club invited the Detroit club,  
known as Treasure Unlimited, to dive with  
us in our favorite quarry at Whitehouse,  
Ohio. It is quite a large quarry near Toledo,  
about 50 feet deep and reasonably clear as  
it is spring fed. Before the event was staged,  
three other clubs, The Quadro Pescadores and  
the Neptune Prowlers of Flint, Michigan,  
and Ford Seahorses of Dearborn, Michigan,  
decided to come along.

A Greyhound bus was chartered and also  
other private cars were driven, and the four  
clubs from Michigan spent an entire Sunday,  
exploring the depths of this fine diving spot.

Each of our members acted as a guide to  
take a small group of the 75 visiting skin  
divers on a tour of the quarry. The event  
was a huge success.

Last Sunday the Toledo Sub-Mariners jour-  
neyed to Flint, Michigan to dive with the  
Quadro Pescadores, Flint Skin Divers and the  
Flint Finmen at Miller Lake. A picnic pot-  
luck dinner was served by the wives of the  
Michigan clubs after another wonderful day  
of diving.

We feel that visiting with other clubs is lots  
of fun and also we learn much about diving  
by going into different bodies of water.

The Sub-Mariner's Rescue Team was called  
to Twin Lakes, near Monroe, Michigan re-  
cently, to recover the body of a 17 year old  
swimmer. The local sheriff's deputies had  
dragged for the body several hours, but be-  
cause of the depth and many huge rocks  
on the bottom of the lake, their efforts were  
fruitless. Four of our members—Lee Johns,  
Larry Everett, John Clark and Don Lea, re-  
sponded to the call. All suited up and went  
in the water immediately as it was growing  
dusk when we arrived. Within seven minutes  
after the team entered the water, John Clark  
located the body and it was brought to the  
surface to the Sheriff's waiting boat. Needless  
to say, the sheriff as well as the coroner and  
many anxious onlookers were much impressed  
with the speed and ease of this recovery by  
the Rescue Team after other methods had  
failed.

Denver, Colorado . . .

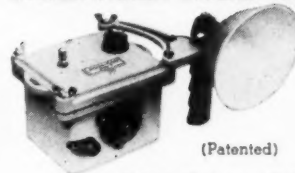
### MILE-HI SKIN DIVERS ASSOCIATION

By R. M. (Scotty) Scott

Water temp.: 45 to 65 degrees. Upon com-  
pletion of our training program this spring,  
our club has been engaging in diving activi-  
ties nearly every week end. We now have  
close to thirty members with complete gear,  
including suits and scuba. The wet suit has  
proved to be the most popular. Our members  
have been diving at several nearby lakes, the  
most popular being Grand and Carter Lakes  
because of their visibility. These lakes proved  
to be very cold with the thermocline lying at  
an average depth of twenty feet with a tem-  
perature about 45 degrees. Visibility has been  
about thirty feet. Many large carp have been  
seen in Grand Lake but no attempts have  
been made to spear them. Large amounts of  
fishing tackle have been recovered by our  
divers. Many of our divers are avid fishermen  
and have made combination fishing and diving  
trips with great success. Several of our  
members have been paying for their gear by  
doing odd diving jobs and recovering lost  
gear.

Next month, KOA-TV of Denver is going  
to film one of our outings to be viewed over  
channel four. The lakes will soon be freezing  
over and some of us are looking forward to  
the time we can venture under the ice. We  
would like to contact the diving club in  
Wyoming. Address all correspondence to:  
R. M. Scott, 1800 24th St., Boulder, Colo.

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Benghazi, Cyrenaica, Libya . . .

**BENGAZI MILITARY SUB AQUA CLUB**

By D. N. Fom

Having seen some of the snappy club titles published in your magazine, we have come to the conclusion that the name of our club is a trifle conservative. We'd like to be called the Benghazi Bottom Bashers, or Fish Teasers Club, but the authorities have approved the one above, so that's it.

Our Club was founded in September 1950 for British Troops in Benghazi, with two Siebe, Gorman Aqualungs purchased through Army Welfare Funds. Since then we have expanded, bought more equipment, and have some civilian members, including two Americans who own Scubas. We have a Club House close to a rocky cove by the sea, which is a good training ground. To get to deep water we have a dinghy with outboard motor.

This year, so far, seven new members have passed their Certificate C, our initial certificate allowing diving without supervision. Apart from training, fishing, and diving just for the hell of it, we run expeditions to places of interest. Our best this year was a trip to ancient Apollonia, the port serving the old Greek city of Cyrene. We worked in conjunction with Professor Goodchild, Director of Antiquities for the Libyan Government. The job was tracing harbour walls and buildings, and we provided a lot of useful information. We didn't discover any treasure, but—those fish! Unlike our sophisticated Benghazi specimens, who can smell a speargun fifty yards away, the fish at Apollonia were most cooperative, and we made a fine haul.

We have had some odd experiences this year, including the company of our first shark. One day in May, the Club Secretary was schnorkelling with a shufti-scope in the Blue Lagoon, a deep rock pool near Benghazi. (To make this plainer he was not wearing an Aqualung, but wore face mask and breathing tube. Local patois, you know.) Stooging along at six feet under the surface he espied a queer fish coming his way at the same level. On drawing nearer, this fish turned out to be a bird, a coot, which calmly swam by. The Secretary, astounded, grabbed the unsuspecting bird by the legs, and brought it to the surface. The act was duly witnessed, and the coot, which had been escaping the attentions of some Arab boys, was allowed to proceed on its way.

On the 28 July, the Secretary (everything happens to him) was out with his spear (purist) off the Officers' Beach, Benghazi, following reports of three large gropers. He was about to spear some red mullet for supper when they were scared off by the arrival of another Club member, Private 'Built-in Aqualung' Peak of the RASC. The Secretary said rude words to Peake, and then asked him to scout around for the gropers. In less than a minute, contact was made with a Large Fish and Peake whistled the Secretary over. The Large Fish, about a ten pounder, was trailing down to a rock with a cave having three entrance holes, one being at the top of the rock through which the fish was visible. He went the spear and the fish jerked itself out but appeared stunned. It rolled over on its side and slid in a queer manner under the rock. Peake and the Secretary dived, but could not see it. This was odd as the entrance of the cave was small. On the second dive they looked under the largest hole, to see a big octopus squatting contentedly on something. That octopus had snatched the Large Fish. It was decided that the octopus could keep it.

## John Q. Burch

1584 W. Vernon Ave.  
Los Angeles 62, Calif.

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## Seattle, Washington . . . NORTHWEST DIVERS

By Anthony J. Nathe

A week end trip was made to Neah Bay, by members of the club, diving was excellent during high tide, in which many large size fish were seen and speared. During the low tide there were only a few fish spotted. So, if any one is making a trip to Neah Bay or Sekiu with the intentions of spearing large fish, your high tide is the best. While at Neah Bay, divers dived down to a wreck off the coast which can be seen from the shore, detected only by its stacks, results were interesting swimming through the various parts of the wreck. The wreck has been down for about five years.

The Nor'West Divers are having a Masquerade Dance on October 26, 57 at Ray's Boat House. A donation to this dance is \$1.50 per person. Mix & Ice will be served free by the Club. So bring all your diving friends and anyone that is interested in having a good time. Let's make this a big evening of fun for all.

Seattle Skin Diving Supplies has suffered a great loss due to some thieves that broke into the shop. The gear taken is too numerous to itemize. But three of the air tanks can be detected by their paint job, Orange. Another tank had a special chrome tubing bent to fit the diver's shoulders and has only one strap by which it is fastened to the diver. If any of these orange colored tanks are spotted, please notify Seattle Skin Diving Supplies HO 2550.

## Chicago, Illinois . . . THE CHICAGO FROGMEN

By Robert Hill

We have just returned from a spearfishing trip to the Virgin Islands. The vacationing members were Dr. Raymond Marcus, George Iverson, "Moray" Morlan, Chuck Sopcak and myself.

The Islands have been spearfished enough to make the fish a bit wary, thus offering a challenge to the spearfisherman.

Anyone expecting to visit the islands should get in touch with Peter Dohm at Red Hook in St. Thomas. He operates a charter boat and was an invaluable aid to us. The trip was a complete success.

## Newport Beach, California . . . NEWPORT HARBOR SUBMARINERS

By Barbara Silze

Last month found us busy with preparations for our annual luau that was held at Salt Creek on September 15. This year the total attendance of members and guests was limited to 150.

Luau atmosphere was created by an early crew of members with a wall of palm fronds, low tables decked with tropical fruits and flowers all arranged in a U shape surrounding the fire pit.

At noon the four hour club skin diving tournament started with appropriate trophies awarded to the winners.

After a brief rest we all got into costume and enjoyed a wonderful meal, prepared by members, all this to the background strain of Hawaiian music. The torch lights were put aflame and the entertainment started, concluded with awarding of prizes for the best luau costumes.

Our club luau is one of the most looked-forward-to activities of the year. You know we all had a great time.

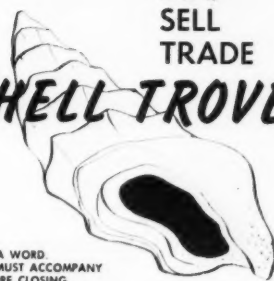
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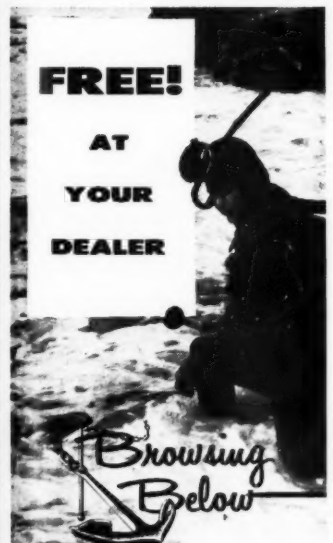
**WANTED**—Sea shells. Specimens must be taken alive. Send list of available shells to: J. W. Miller, 1552 Miramar Drive, Balboa, California, U.S.A.

**WANTED** to buy—pearl shell from divers. John Root, Box 182, W. Palm Beach, Fla.

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SKIN DIVER—October, 1957

## Divers' Bulletin Board

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**FOR SALE OR LEASE**—nationally known skin diving business in the Florida Keys. Write Box 227, Marathon, Fla.

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**FOR SALE**—Tanks, 60 cu. ft. at 2400. Guaranteed to test to 3000. \$20 each. Basil Poulos, 4104 Fry, Ft. Worth, Texas.

**DESCO** back entry dress, mask and accessories, \$125 or trade for Navy deep sea outfit. Captain C. F. Papenfus, Newport, Mich.

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**NAVY UDT** type 3 bottle Aqua-Lung, regulator—good shape \$180.00. P. J. Koehler, 415 E. 52 Street, New York City, N.Y.

**FOR SALE**—full Pirelli suit used only once and in perfect condition. \$46. Edward Grimes, 24 West Hunt St., Central Falls, Rhode Island.

**NEW YORK AREA DIVERS**—Selling garage full of new and used "lungs", guns, etc. Call UL 9-2429.

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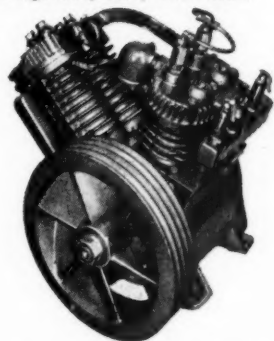
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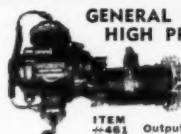
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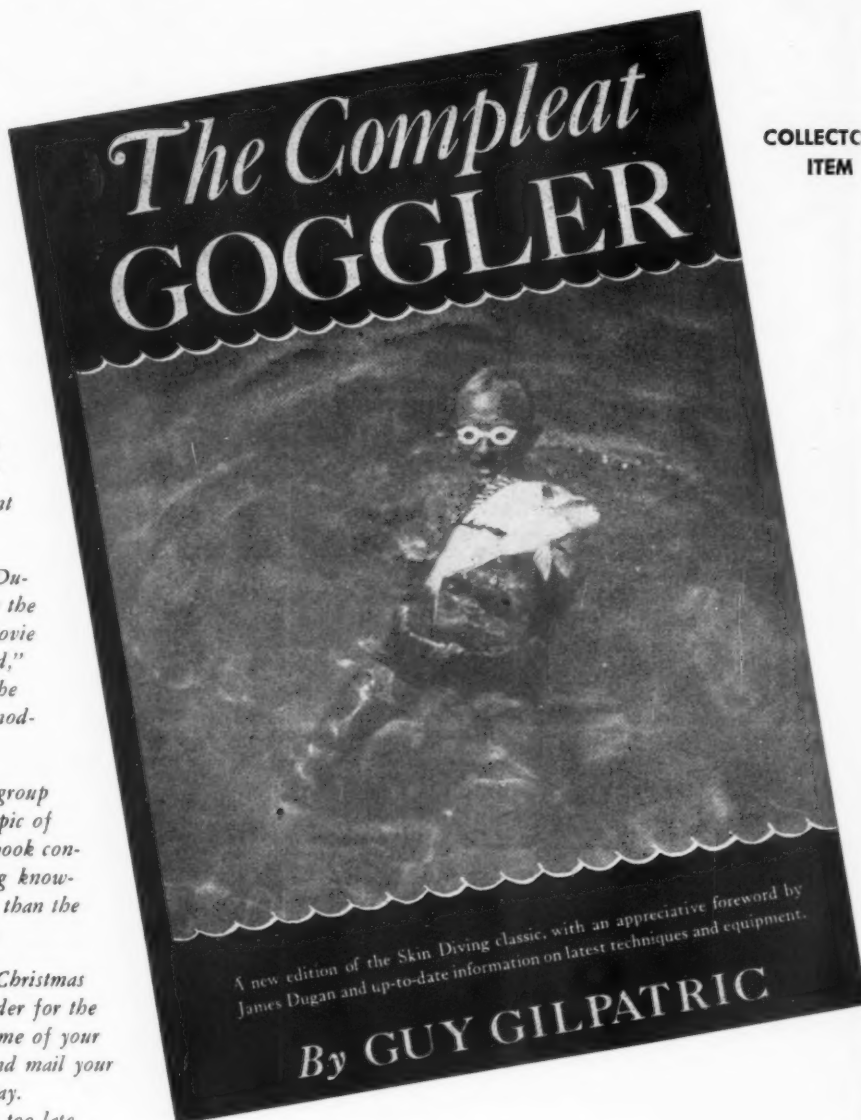
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